



CONTAMINANT DELINEATION INVESTIGATION

**4125-4149 LACONIA AVENUE
BRONX, NEW YORK 10466**

PREPARED FOR

DITMARS REAL ESTATE CONSULTANTS

JANUARY 2019

MECC PROJECT NO. M16917A

MERRITT ENVIRONMENTAL CONSULTING CORP.

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**4125 TO 4149 LACONIA AVENUE
BRONX, NEW YORK 10466**

PREPARED FOR
DITMARS REAL ESTATE CONSULTANTS
30-29 STEINWAY STREET, 2ND FLOOR
ASTORIA, QUEENS, NEW YORK 11103

PREPARED BY
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JANUARY 28, 2019

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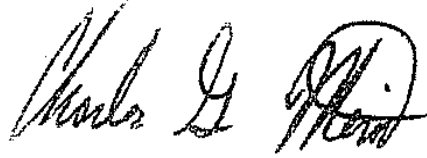
SIGNATURE PAGE

Merritt Environmental Consulting Corp. ("MECC") and the undersigned have completed this Contaminant Delineation Investigation (the "CDI") at 4125 to 4149 Laconia Avenue, Bronx, New York (the "Site") in accordance with the scope of work defined in MECC's proposal dated October 23, 2018.

MERRITT ENVIRONMENTAL CONSULTING CORP.



Frank Galdun
Project Geologist



Charles G. Merritt
President/LEED AP

1.0 INTRODUCTION AND SUMMARY OF FINDINGS

This report presents the results of the CDI conducted by MECC at the Site, which contains one freestanding single-story neighborhood shopping center and exterior parking lot. The intent of this study was to establish subsurface soil and groundwater quality beneath the Site in connection with a release of perchloroethylene (PCE) by a former on-site dry cleaning operation. In addition, sub-slab soil vapor and indoor air sampling with laboratory analysis was conducted to evaluate possible PCE vapor intrusion into the Site building. MECC has established that the source of the PCE release is the east section of the basement under the former dry cleaner tenant space.

MECC installed four (4) soil borings at various locations within the Site using powered equipment. Three (3) borings were converted to permanent groundwater monitoring wells. In addition, MECC utilized a monitoring well installed by others across Laconia Avenue from the Site to augment gathered groundwater quality data. Depth to the water table at the Site, as established by gauging all wells targeted for this purpose, ranges from 9.45 feet to 11.28 feet below ground surface (bgs) and flows within a weathered zone of rock on top of the local bedrock surface. This shallow water-bearing deposit is within three feet below the basement floor slab of the Site building.

Laboratory analytical data confirms that PCE is present at elevated concentrations in Site groundwater. PCE levels reported by the laboratory range from 3,500 micrograms per liter (ug/l) in a temporary well point installed into the basement floor under the former dry cleaner (Sample "B3GW") to undetected in the existing well located across Laconia Avenue in the sidewalk east of the Site (Sample "MW4"). Trichloroethene (TCE, a PCE degradation product) was detected at concentrations ranging from 450 ug/l in B3GW and in a well installed into the Laconia Avenue sidewalk directly adjacent to the former dry cleaner space (Sample "MW2") to undetected in the two (2) permanent wells located farthest and from the dry cleaner (Samples "MW1" and "MW4"). While it does not appear that the contaminant plume in groundwater extends to any great distance, it is likely present under Laconia Avenue. MECC does not believe that the PCE plume has intersected borders of residential properties located north and northeast of the Site. Regulators will require corrective action to address groundwater quality at the Site.

Of the total of six (6) soil samples collected at the Site (four of which were collected from under the former dry cleaner floor slab) one was reported by the laboratory to contain PCE at 24 milligrams per kilogram (mg/kg), exceeding the Unrestricted Use Soil Cleanup Objective (UUSCO) of 1.3 mg/kg for this substance as defined in 6 NYCRR Part 375. PCE in all remaining soil samples are reported by the laboratory at concentrations that do not approach the UUSCO. The soil sample with the greatest PCE concentration was collected from the basement of the former dry cleaner and likely represents the source area. The source area is highly localized and encompasses only the east end of the former dry cleaner basement. Minimal excavation will be sufficient to remove impacted soil from the area.

Two (2) sub-slab soil vapor samples, four (4) indoor air samples and an outdoor air sample were collected at the Site by MECC using six-liter summa canisters. Laboratory analysis of these samples shows that PCE in vapor form is present at elevated concentrations beneath the floor slab and within indoor air. PCE was detected in the two (2) sub-slab soil vapor samples at concentrations of 303,199 micrograms per liter of air (ug/m³) under the former dry cleaner to 28,480 ug/m³ under the grocery store, which is located adjacent to the north side of the former dry cleaner space. Both of these concentrations greatly exceed the trigger value of 1,000 ug/m³ whereby "mitigation" is recommended by the New York State Department of Health *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, October 2006 (the "Final Guidance"). The highest PCE concentration detected in indoor air is 46.8 ug/m³ in a sample placed in the basement of the grocery store. This result exceeds the Air Guidance Value (AGV) of 30 ug/m³ as defined in the Final Guidance. PCE values in the remaining indoor air samples (collected from the ground floor of the grocery store and in the basement and ground floor of the dry cleaner range from 9.49 ug/m³ to 24.7 ug/m³. Mitigation in the form of several sub-slab depressurization points will be necessary to reduce PCE vapor concentrations in indoor air.

1.1 Background

The Site is directly bordered to the north by East 231st Street, to the south by East 230th Street and to the east by Laconia Avenue. The Site building extends from East 230th Street at its south side to East 231st Street to the north. The size of the Site is estimated to be 32,250 square feet and contains one (1) single-story multi-unit neighborhood shopping center building with a full basement. The footprint of the Site building is approximately 14,800 square feet and was constructed in 1958, according to the New York City Geographic Information System. Site building construction consists of poured concrete foundation walls and basement floors. Exterior, above-grade walls are composed of masonry and floor/roof decks are constructed of wood frame. The Site is connected to the local sewer and potable water supply systems. The basement of the building has been subdivided for use by occupants for general storage purposes. An exterior paved parking lot is located at the central and west sections of the Site.

The former dry cleaner tenant space at the Site is identified as 4137 Laconia Avenue and is approximately 1,500 square feet in size. The only remnant of past dry cleaning operations is the support columns installed in the basement to carry the weight of the former dry cleaning machine on the ground floor. The former dry cleaner space and the north-adjointing tenant space currently occupied by a hair salon share a common basement.

A New York City Police Department precinct station is located south of the Site across East 230th Street. A line of six (6) four-inch diameter flush-mount monitoring wells are present in the sidewalk that directly abuts the south end of the Site building, also along East 230th Street. These wells were installed as part of a groundwater quality investigation and remediation project initiated by one or more leaking underground gasoline storage tanks (USTs) at the police station. One additional two-inch diameter monitoring well associated with the police station project is also present east of the Site across Laconia Avenue.

MECC selected three (3) of the six (6) pre-existing monitoring wells to be included in the well elevation survey as an aid in determining groundwater flow direction. These wells are labeled as MW4, MW5 and MW6. MW4 is located east of the Site across Laconia Avenue. A groundwater sample was also collected for laboratory analysis from MW4. No groundwater samples were collected from MW5 or MW6, since water within them exhibited a strong gasoline odor. Both MW5 and MW6 are located in the sidewalk directly adjacent to the south side of the Site building and both wells contained sorbent socks, apparently in an effort to remediate free-phase product.

1.2 Topography and Geology

The Site elevation is estimated at roughly 110 feet above mean sea level (see topographic map in Appendix A). Surface topography within the Site has little relief, with a slight downward slope to the northeast. Locally, surface slope is also down to the northeast and east.

The bedrock surface beneath the Site is between ten feet and 11 feet below ground surface. Unconsolidated material above bedrock consists of what appears to be ground moraine consisting of rock fragments, sand and some clay. A weathered bedrock zone that is approximately one-foot to 1.5 feet thick is present and is a water-bearing deposit. This weathered bedrock zone is located within two feet to three feet below the basement floor of the Site building. Based on the condition of competent rock cores collected during monitoring well installation, MECC observed that bedrock appears to consist of gneiss and no fracture zones or water-bearing foliation planes were identified.

Based on the results of well gauging and well elevation survey measurements (measurements conducted by Arek Surveying Inc.), the direction of groundwater flow at the Site is east-northeast.

1.3 Prior Reports

MECC conducted an initial limited subsurface investigation of the Site in 2018, and included installation of four (4) manually installed borings using a hand auger into the basement floor slab under the former dry cleaner tenant space. This prior study included collection of three shallow grab soil samples and one groundwater sample for laboratory analysis under EPA Method 8260 – Volatile Organic Compounds (VOCs). The groundwater sample (collected from Soil Boring B3) was reported by the laboratory to contain PCE at 3,500 ug/l. A soil sample collected from B3 was reported to contain PCE at 24 mg/kg. None of the remaining soil samples were reported by the laboratory to contain PCE at concentrations that approach the Unrestricted Use Soil Cleanup Objective of 1.3 mg/kg as defined by 6 NYCRR Part 375. These initial findings do show that the source of the PCE contaminant plume in groundwater is located under the east basement floor slab of the former dry cleaner. This area of the basement contains the support columns for the former dry cleaning machine, which was once located on the ground floor. Further, a hand-written message on the basement wall in this area states “perk tank,” which could be indicative of past PCE storage and handling in the basement by the former dry cleaner.

2.0 CDI SCOPE OF WORK COMPLETED

MECC retained a drilling contractor to employ a track-mounted hydraulic direct-push drill rig to install two (2) exterior soil borings at the Site. Three (3) additional borings were installed using mud rotary drilling and were converted to permanent groundwater monitoring wells (MW1, MW2, MW3); mud rotary was used since bedrock was encountered at a shallow depth. In addition, a total of seven (7) summa canister air samples were collected at the Site. Two (2) of these canisters were used to collect sub-slab soil vapor, four (4) were selected for indoor air sample collection and one outdoor air sample was collected as a control.

Mr. Frank Galdun, Project Geologist with MECC was present to direct the driller and to conduct all sub-slab soil vapor/air, soil and groundwater sample collection and assessment tasks. Soil borings, monitoring well installation and sub-slab soil/air sample collection was conducted on December 4, 2018 and December 6, 2018.

Tasks completed on December 4, 2018 included collection of all sub-slab soil vapor and air samples, and installation of two (2) soil borings using the direct push method (no mud rotary drilling was conducted). The three (3) permanent monitoring wells were all installed on December 6, 2018. Subsequent monitoring well gauging and sampling was conducted on December 6, 2018.

The two (2) direct-push soil borings (B1, B2) were installed in an attempt to intersect the water table using this method, but refusal on dry rock occurred before groundwater could be reached. Soil Boring B1 was placed adjacent to the front entrance of the former dry cleaner space in the Laconia Avenue sidewalk. B2 was installed adjacent to a stormwater grate at the rear, exterior side of the Site building and near the rear side of the former dry cleaner space. One grab soil sample each was collected from the bottoms of the borings for laboratory analysis.

Mud rotary drilling was subsequently used to install Monitoring Well Nos. MW1, MW2 and MW3. All of these wells were installed into the Laconia Avenue sidewalk directly adjacent to the Site. No off-site drilling was performed during this investigation. Drilling was terminated at 16 feet bgs at these three borings. This termination depth of the three (3) wells installed by MECC is the approximate depth of monitoring wells installed by others at the south side of the Site that are associated with the gasoline release at the police station.

Pre-existing monitoring wells are located at the south side of the Site, with one well located to the east of the Site beyond Laconia Avenue. Three (3) of these existing wells were incorporated into this study as a means of more accurately establishing local groundwater flow direction and to better capture plume development.

3.0 SOIL SAMPLE COLLECTION AND LABORATORY RESULTS

3.1 Soil Quality Field Screening Results

Continuous soil samples were collected for field screening at B1 and B2, which were installed using direct-push equipment. (no field screening was conducted during installation of the monitoring wells since mud rotary drilling is not conducive to this activity and because these wells are located away from the source area). All soil samples were evaluated for visual or olfactory evidence of contamination. A portable photoionization detector (PID) was used to measure volatile organic vapor levels in each soil sample. Observations and lithologic descriptions for B1 and B2 are presented in Appendix B.

For the hydraulic direct-push borings, a five-foot plastic sleeve was inserted into each hollow drill rod and was driven into the subsurface. The sleeves are removed from the rods as they are extracted from the soil boring. Soil quality evaluation and soil sampling is conducted by cutting the sleeves longitudinally, exposing the collected soil.

No odors or other physical evidence of soil contamination was identified in B1 and B2. PID readings showed undetected volatile organic vapors in all extracted soil. Refusal on bedrock occurred at roughly nine feet bgs in both borings.

3.2 Soil Sample Analysis Results

MECC collected one grab soil sample for laboratory analysis each from B1 and B2 at nine feet bgs. MECC submitted all soil and groundwater samples collected during this study to Veritech, a New York State Department of Health-Certified environmental laboratory (NYSDOH ELAP No. 10982). MECC placed all samples collected during this study in containers holding the appropriate preservatives. The laboratory supplied all sample containers used by MECC. All samples were shipped on ice to Veritech within 24 hours of collection. In addition, MECC completed all appropriate chain of custody documents prior to sample shipment.

All soil samples were analyzed under EPA Method 8260 – VOCs. Table 1 on the following page is a summary of the laboratory analytical data and includes the results for the interior soil samples previously collected by MECC in June 2018.

TABLE 1: VOC LABORATORY RESULTS FOR SOIL SAMPLES							
Detected compounds only							
Compound	Sample Location and Depth						SCO
	B1 1' Interior hand auger	B1 2.5' Interior hand auger	B2 1' Interior hand auger	B4 1' interior hand auger	B1 9' exterior soil boring	B2 9' exterior soil boring	
Acetone	ND	ND	0.031	0.019	ND	0.016	0.05
Perchloroethylene	25	ND	0.25	0.035	ND	ND	1.3
Trichloroethene	0.19	ND	0.0089	0.0094	ND	ND	0.47

NOTES

1. All results are expressed in milligrams per kilogram (mg/kg), which can also be expressed as parts per million (ppm).
2. ND - Parameter non-detected, below method detection limits.
3. Results in bold exceed Unrestricted Use Soil Cleanup Objectives as defined in the New York State Department of Environmental Conservation (NYSDEC), Division of Environmental Remediation, 6 NYCRR Part 375, Environmental Remediation Programs, dated December 14, 2006. For those VOCs not listed in Unrestricted Use SCOs, the Supplemental Soil Cleanup Objectives (Residential) listed in NYSDEC Policy CP-51 / Soil Cleanup Guidance, dated October 21, 2010 was used.

As shown, the only soil sample reported to contain PCE at a level that exceeds the UUSCO is B1 1'. This sample was collected from an interior boring located directly adjacent to columns installed to support the former dry cleaning machine on the first floor.

4.0 GROUNDWATER SAMPLE COLLECTION AND LABORATORY RESULTS

The following table provides specifications for all monitoring wells selected for either gauging/well elevation measurements only, or gauging/well elevation measurements as well as sampling and laboratory analysis (the well elevation data provided by Arek Surveying as measured at top of rims are also provided):

TABLE 2: WELL INSTALLATION, ELEVATION & GAUGING DATA						
	MW1 installed by MECC 1/6/19	MW2 installed by MECC 1/6/19	MW3 installed by MECC 1/6/19	MW4 installed by others	MW5 installed by others	MW6 installed by others
Well Type	Flush mount, 2" diameter PVC	Flush mount, 2" diameter PVC	Flush mount, 2" diameter PVC	Flush mount, 2" diameter PVC	Flush mount, 4" diameter PVC	Flush mount, 4" diameter PVC
Screened Interval	5 ft.	5 ft.	5 ft.	Unknown	Unknown	Unknown
Depth to Water	9.45 ft.	9.8 ft.	10.22 ft.	11.28 ft.	9.62 ft.	10.34 ft.
Depth of Well	14.9 ft.	15.2 ft.	15.6 ft.	15.6 ft.	17.1 ft.	15.5 ft.
Rim Elevation	99.88 ft.	99.98 ft.	100.75 ft.	100.52 ft.	101.87 ft.	102.77 ft.
Observations	No odor or sheen, sample collected	No odor or sheen, sample collected	No odor or sheen, sample collected	No odor or sheen, sample collected	Strong gasoline odor, not sampled	Strong gasoline odor, not sampled

MECC collected one (1) groundwater sample from each of the four (4) monitoring wells as indicated in Table 1. In addition, MECC discovered that an apparent groundwater sump pit is located in the basement floor under the grocery store tenant space. MECC was informed by a grocery store employee that this sump receives only groundwater. The sump is approximately three feet by three feet in area and is approximately two feet in depth. A sample of the standing water within the sump was collected for laboratory analysis. All groundwater samples were analyzed at Veritech under EPA Method 8260: VOCs.

All samples collected from monitoring wells were collected by withdrawing water through dedicated, disposable flexible tubing that was pushed through the screened. The tube was attached to a peristaltic pump and the water was withdrawn and placed into the appropriate sample containers after turbidity was reduced (minimum of three well volumes of water were removed prior to sampling each well). MECC also conducted depth to water measurements at each well before sampling activities. Low flow sampling procedures were also conducted.

4.1 Groundwater Sample Analysis Results

All four groundwater samples were analyzed for VOCs and Table 3 provides a summary of laboratory analysis.

TABLE 3: VOC LABORATORY RESULTS FOR GROUNDWATER SAMPLES							
Detected compounds only							
Compound	Sample Location						Standard
	SUMP	B3GW	MW1	MW2	MW3	MW4	
Acetone	55	ND	370	ND	ND	ND	50
2-Butanone	ND	ND	6.4	ND	ND	ND	50
Methylene chloride	ND	ND	3.7	ND	ND	ND	5
cis-1,2-Dichloroethene	1.0	56	2.4	220	19	ND	5
Perchloroethylene	7.8	3500	30	2400	1300	ND	5
Trichloroethene	4.1	450	7.7	450	74	ND	5
Total VOCs	67.9	4006	420.2	3070	1393	0.0	

NOTES

1. Results expressed in micrograms per liter (ug/l), which can also be expressed as parts per billion (ppb).
2. Any result in bold exceeds New York State Department of Health Maximum Contaminant Level for drinking water, and the guidance values or standard listed in the NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values.
3. ND: Parameter non-detected, below method detection limits.

Acetone, 2-butanone and methylene chloride were variously detected in the samples. All of these substances are commonly introduced into sample media by laboratory procedures and are therefore not believed by MECC to be representative of actual groundwater quality. Further, none of these three VOCs are degradation products of PCE.

All remaining VOCs detected in the groundwater samples consist of PCE and PCE degradation products. The laboratory data confirms that a plume of PCE contamination in groundwater has developed, and that PCE concentrations decrease substantially within a relatively short distance from the source. However, it is clear that the plume extends beyond Site borders to the northeast under Laconia Avenue.

4.0 SUB-SLAB SOIL VAPOR AND AIR SAMPLE COLLECTION AND ANALYSIS

MECC collected a total of four (4) indoor air samples at various locations within the Site building. In addition, two (2) sub-slab soil vapor samples and one outdoor air sample were collected (outdoor air sample collected as a control).

The sub-slab soil vapor probes were installed using the hand-held hammer drill tipped with the one-foot long masonry drill bit. The soil vapor samples were collected in accordance with the New York State Department of Health *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, October 2006 (the "Final Guidance"). The soil vapor implants were installed into the probe holes using dedicated 3/16" flexible tubing to a depth of approximately two inches below the basement floor slab in the former dry cleaner space and in the adjoining grocery store space.

After setting the implants at the desired depths at the sub-slab soil vapor sampling points, the flexible tubing was extended to ground surface, sealed with plumbers putty at ground surface and connected to the sample collection equipment. All sampling was performed with a flow rate of no more than 0.2 liters of air per minute. MECC conducted field screening of indoor air and sub-slab air quality using a photoionization detected (PID). Downhole PID readings in each soil vapor penetration showed elevated readings of 25 parts per million (ppm) volatile organic vapors under the basement slab within the former dry cleaner space and 17 ppm under the grocery store slab.

Indoor air samples were collected from within the basements and ground floors at the grocery store and the former dry cleaner space (total four samples).

All soil vapor and indoor air samples were collected into six liter Summa canisters certified clean by the laboratory. Each canister was equipped with a regulator set for a two hour sampling period. All samples were analyzed at Chemtech for VOCs under EPA Method TO-15. Table 4 on the following page summarizes the laboratory report of analysis.

TABLE 4: SUB-SLAB SOIL VAPOR, INDOOR AIR & OUTDOOR AIR SAMPLE ANALYSIS							
EPA Method TO-15, detected compounds only							
Compound	IA1	IA2	IA3	IA4	SV1	SV2	OA1
Acetone	52.7	141	47.8	285	131	42.8	11.6
Carbon disulfide	ND	0.4J	ND	ND	9.97J	12.8J	ND
Methylene Chloride	8.34	6.6	5.91	18.1	ND	ND	12.2
2-Butanone (methyl ethyl ketone)	5.9	5.6	2.77	4.13	5.6J	ND	2.04
Chloroform	0.51J	5.86	2	1.66J	11.7J	56.6	ND
Dichlorodifluoromethane	1.04J	0.89J	1.04J	0.99J	ND	19.3J	1.04J
Trichlorofluoromethane	1.46J	1.85J	1.69J	1.4J	ND	ND	1.46J
Chloromethane	1.57	1.38	1.38	1.22	ND	3.1J	1.2
Tetrahydrofuran	ND	ND	ND	2.12	ND	ND	ND
Methyl tert-butyl ether (MTBE)	ND	ND	ND	ND	ND	16.6J	ND
Benzene	0.99J	7.67	7.03	1.57J	ND	3.83J	1.31J
Ethylbenzene	0.83J	1.35J	0.78J	0.69J	6.52J	ND	2.04J
Toluene	37.7	16.2	13.6	24.5	17	10.9J	43.3
Xylenes	4.09J	6.52	3.78J	3.57J	36.1J	39.1J	6.86
1,2,4-Trimethylbenzene	2.26J	2.9	1.57J	3.39	18.7J	25.6	1.28J
1,3,5-Trimethylbenzene	0.69J	1.08J	0.54J	0.88J	6.88J	7.87J	ND
1,4-Dichlorobenzene	ND	0.9J	1.56J	0.6J	ND	ND	ND
4-Ethyltoluene	0.84J	0.88J	0.49J	0.98J	6.88J	7.37J	ND
2,2,4-Trimethylpentane	1.68J	2.9	1.54J	1.12J	ND	ND	4.11
Cyclohexane	0.86J	1.2J	ND	ND	ND	ND	1.45J
Hexane	20.8	ND	8.81	16.2	26.4	14.8J	24.7
Heptane	1.68J	2.38	1.15J	1.23J	ND	ND	2.25
Naphthalene	0.94J	0.63J	1.31J	0.84J	ND	ND	ND
Methyl methacrylate	12.7	1.15J	ND	323	ND	ND	ND
Styrene	ND	1.32J	0.68J	ND	ND	ND	ND
Carbon Tetrachloride	0.5	0.57	0.5	0.44	ND	ND	0.44
Trichloroethene	2.42	8.06	1.56	1.61	5911	3385	0.43
Perchloroethylene	21.7	46.8	9.49	15.6	303199	28480	0.54
cis-1,2-Dichloroethene	0.71J	2.93	ND	0.52J	594	515	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	67	396	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	6.74J	ND
Vinyl chloride	ND	ND	ND	ND	ND	9.46	ND

NOTES

1. All results are expressed in micrograms per cubic meter of air (ug/m³)
2. J = Concentration is approximate and is less than the quantitation limit but greater than the method detection limit (MDL)
3. "ND" Not Detected

Several substances were reported in all samples and all are common laboratory-introduced VOCs. Table 1 clusters these VOCs as the first five listed substances. MECC does not consider these reported VOCs as representative of actual Site conditions. In addition, the laboratory-introduced substances (specifically acetone) were detected at concentrations that greatly exceed levels of other individual VOCs detected in the various samples.

The Final Guidance was used to evaluate the laboratory data. The Final Guidance provides an Air Guidance Value (AGV) of 30 ug/m³ for PCE in indoor air, which is the maximum recommended PCE vapor concentration. This AGV was exceeded in Sample No. IA2, which was collected in the basement of the grocery store. Further, the Final Guidance recommends "mitigate" when any sub-slab soil vapor sample analysis shows a PCE concentration in excess of 1,000 ug/m³, regardless of any reported PCE vapor level in indoor air. Laboratory analysis of the two (2) sub-slab soil vapor samples collected by MECC shows PCE vapor at concentrations that are orders of magnitude greater than 1,000 ug/m³, and mitigation in the form of a sub-slab depressurization system is necessary.

Further, several PCE degradation products were variously detected in the indoor air and sub-slab soil vapor samples. Certain of these substances are also specifically addressed in the Final Guidance and include trichloroethene (TCE) and 1,1,1-trichloroethane (1,1,1-TCA). The Final Guidance for TCE in indoor air is 2.0 ug/m³; this value is exceeded in Indoor Air Sample Nos. IA1 and IA2, which were collected from the basements of the former dry cleaner tenant space and grocery store. Further, the Final Guidance recommends “mitigate” when any sub-slab soil vapor sample analysis shows a TCE concentration in excess of 250 ug/m³, regardless of any reported TCE vapor level in indoor air. Laboratory analysis of the two sub-slab soil vapor samples collected by MECC shows TCE vapor at concentrations that are orders of magnitude greater than 250 ug/m³, which is confirmation of the need for corrective action.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Clear evidence of a PCE contaminant plume in groundwater has been identified by this study. The water-bearing deposit beneath the Site is limited to a weathered bedrock zone and groundwater is flowing to the east-northeast. While much of this plume is located under Laconia Avenue, MECC has established that it does not represent a threat of adverse impact on the environmental integrity of nearby residential properties. It also appears that PCE concentrations in groundwater abate rapidly with distance from the source (east basement area under the former dry cleaner space). The PCE concentrations in groundwater are actionable and regulators will require corrective measures in the form of remediation. Regulators are also likely to require installation of sentinel monitoring wells to establish the leading edge of the plume, which again is not believed to be laterally extensive by MECC.

A residual PCE contaminant source area exists under the east basement of the former dry cleaner space in the form of impacted soil at an isolated area. Removal of this impacted material is necessary, but excavation will be limited laterally and vertically; a large volume of contaminated soil removal is not anticipated.

Elevated concentrations of PCE and TCE have been detected in both indoor air and sub-slab soil vapor at the Site. These reported VOC vapor concentrations are great enough whereby installation of an SSDS will be necessary.

6.0 LIMITATIONS OF THE CDI

MECC has completed this CDI in accordance with the contract scope of work, using reasonable efforts to attempt to identify areas of potential liability associated with adverse environmental conditions at the Site. MECC has made no independent investigation of the accuracy of secondary sources and has assumed them to be accurate and complete. MECC does not warrant the accuracy or completeness of information provided by secondary sources. MECC does not warrant that the Site is suitable for any particular purpose or that the Site is clean or free of liability.

APPENDIX A

FIGURE 1: SITE LOCATION MAP

FIGURE 2: MONITORING WELL LOCATION PLAN

FIGURE 3: BASEMENT PLAN

FIGURE 4: GROUND FLOOR PLAN

SITE

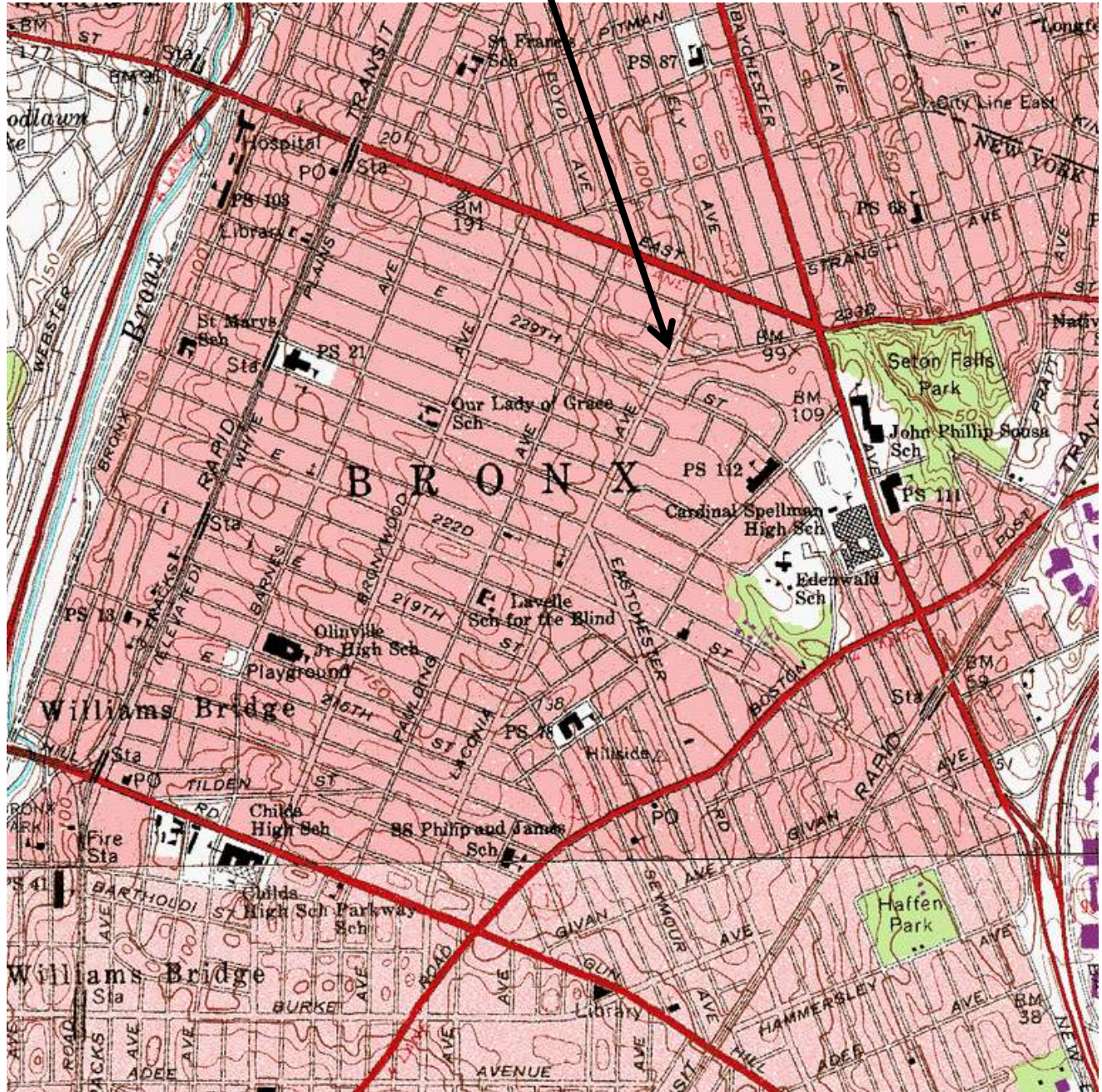


FIGURE 1: SITE LOCATION MAP

Contour Interval: 10'

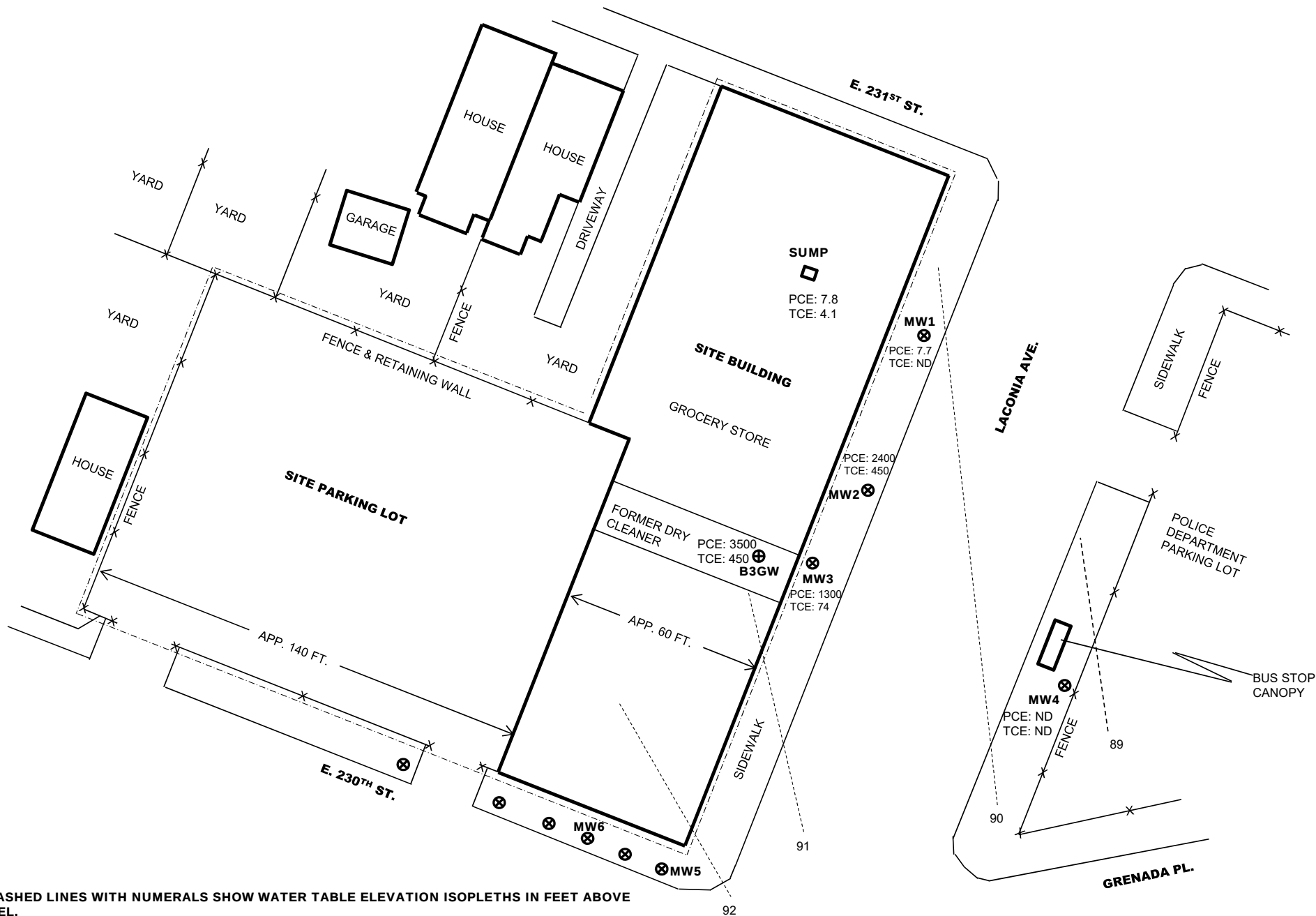
USGS 7.5" Quadrangle Map titled *Elizabeth, NJ*, dated 1995

Site Address:

4125 to 4149 Laconia Ave.

Bronx, NY





NOTES:

LIGHT DASHED LINES WITH NUMERALS SHOW WATER TABLE ELEVATION ISOPLETHS IN FEET ABOVE SEA LEVEL.

PATTERNED LINES ENCLOSE THE SITE

B3GW WAS PREVIOUSLY COLLECTED FROM A TEMPORARY WELL POINT INSTALLED BY MECC

ALL MONITORING WELLS SHOWN ALONG EAST 230TH STREET WERE INSTALLED BY OTHERS AS PART OF THE INVESTIGATION AND REMEDIATION OF CONTAMINATED GROUNDWATER CAUSED BY ONE OR MORE LEAKING GASOLINE USTs AT THE POLICE STATION SOUTH OF THE SITE. IN ADDITION, MW4 WAS INSTALLED BY OTHERS AS PART OF THE POLICE STATION INVESTIGATION.

MW5, MW6 WERE NOT SAMPLED BUT A WELL ELEVATION SURVEY WAS CONDUCTED AS AN AID IN ESTABLISHING DIRECTION OF GROUNDWATER FLOW.

FIGURE 2, WELL LOCATION PLAN: 4125 TO 4149 LACONIA AVE.

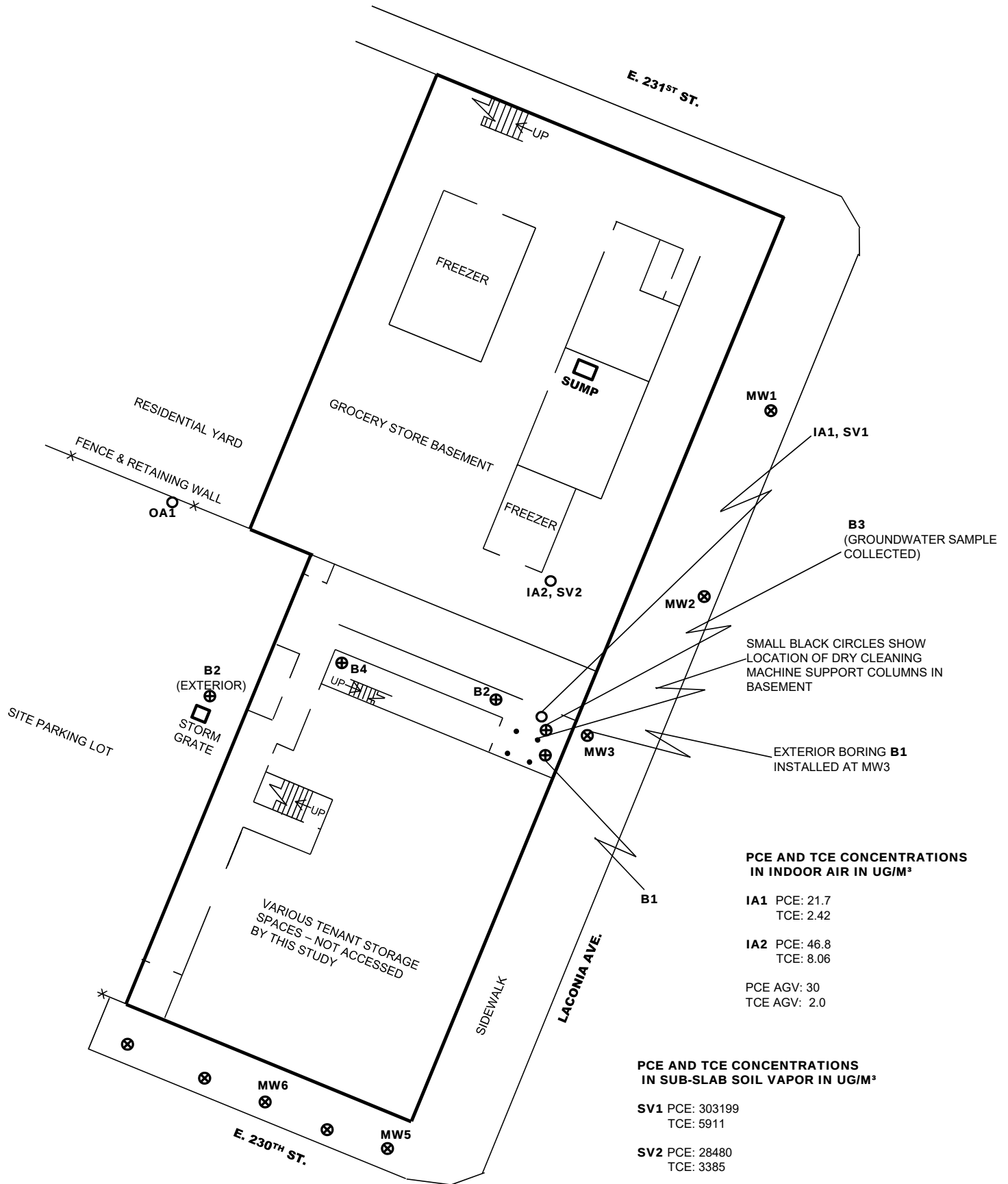
BRONX, NY

⊗ DENOTES MONITORING WELL LOCATIONS

PCE AND TCE CONCENTRATIONS LISTED AT EACH WELL LOCATION IN UG/L

APP. SCALE
20 FT.





NOTES:
 INTERIOR DETAILS SHOW BASEMENT LEVEL ONLY
 INTERIOR DETAILS BASED ON LIMITED OBSERVATION ONLY

**FIGURE 3, SOIL BORING AND AIR/SUB-SLAB SOIL VAPOR SAMPLE LOCATIONS
 4125 TO 4149 LACONIA AVE.
 BRONX, NY**

- ⊗ DENOTES MONITORING WELL LOCATIONS
- ⊕ DENOTES SOIL BORING LOCATIONS
- AIR AND SUB-SLAB SOIL VAPOR SAMPLE LOCATIONS

APP. SCALE
 20 FT.



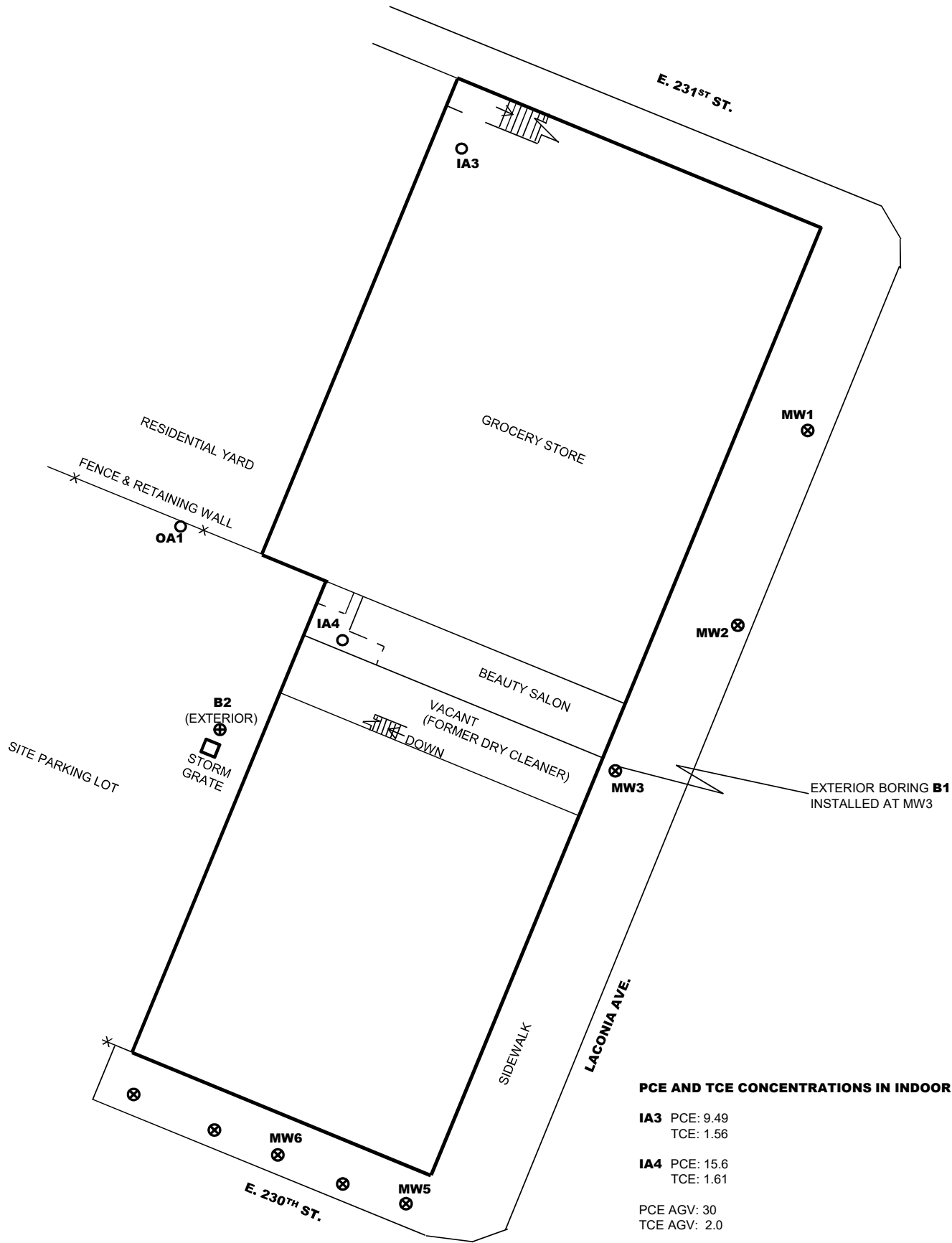


FIGURE 4, AIR SAMPLE LOCATIONS (INTERIOR DETAILS SHOW 1ST FLR. ONLY)
4125 TO 4149 LACONIA AVE.
 BRONX, NY

- ⊗ DENOTES MONITORING WELL LOCATIONS
- ⊕ DENOTES SOIL BORING LOCATIONS
- AIR AND SUB-SLAB SOIL VAPOR SAMPLE LOCATIONS

APP. SCALE

20 FT.



**APPENDIX B
SOIL BORING LOGS**

MERRITT ENVIRONMENTAL CONSULTING CORP. 77 Arkay Dr., Suite D Hauppauge, NY 11788 631.617.3200		Boring No. B1
	Project Number: 20030021	Boring location: see site plan
Driller: HTE Geologist: Frank Galdun	Location: 4125 to 4149 Laconia Ave. Bronx, NY	
Groundwater Observations: <u>None</u>	Geoprobe with 5-foot casing sampler Type: Track-mounted Size I.D. 2" Hammer wt. N/A Hammer Fall: N/A	Date Start : <u>1/4/19</u> Date Complete : <u>1/4/19</u> Surface Elev. : N/A Groundwater Elev.: N/A

Depth feet	Sample		Blows per 6 "			density moisture	PID	Field Identification of soil Remarks
	#	Type	0-6	6-12	12-18			
0'-5'	N/A	N/A	N/A	N/A	N/A	Dry	0.0	50% recovery. Loose med. brown sand. No odor.
5'-10'						Dry	0.0	60% recovery. Fine brown sand some clay with rock fragments. No odor.
	↓	↓	↓	↓	↓		0.0	End of boring 9 ft. with refusal on rock

ground surface to _____ ft. used _____ casing then _____ casing to _____ ft
A= auger ss: split spoon sampler mc: macrocore HSA: hollow stem auger HA: Hand Auger
Trace: 0-10% Little: 10-20% some: 20-10%
C= coarse M=medium F=fine

MERRITT ENVIRONMENTAL CONSULTING CORP. 77 Arkay Dr., Suite D Hauppauge, NY 11788 631.617.3200		Boring No. B2
	Project Number: 20030021	Boring location: see site plan
Driller: HTE Geologist: Frank Galdun	Location: 4125 to 4149 Laconia Ave. Bronx, NY	
Groundwater Observations: <u>None</u>	Geoprobe with 5-foot casing sampler Type: Track-mounted Size I.D. 2" Hammer wt. N/A Hammer Fall: N/A	Date Start : <u>1/4/19</u> Date Complete : <u>1/4/19</u> Surface Elev. : N/A Groundwater Elev.: N/A

Depth feet	Sample		Blows per 6 "			density moisture	PID	Field Identification of soil Remarks
	#	Type	0-6	6-12	12-18			
0'-5'	N/A	N/A	N/A	N/A	N/A	Dry	0.0	70% recovery. Med. brown sand and rock fragments. No odor.
5'-10'						Dry	0.0	60% recovery. Medium to fine brown sand trace clay with rock fragments. No odor.
	↓	↓	↓	↓	↓		0.0	End of boring 9 ft. with refusal on rock

ground surface to _____ft. used _____ casing then _____ casing to _____ft
 A= auger ss: split spoon sampler mc: macrocore HSA: hollow stem auger HA: Hand Auger
 Trace: 0-10% Little: 10-20% some: 20-10%
 C= coarse M=medium F=fine

**APPENDIX C
LABORATORY ANALYSIS REPORTS**

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : 4125-4149 LACONIA AVE BRONX, NY

GFE LLC

58 Nokomis Ave

Lake Hiawatha, NJ - 07034

Phone No: 646-542-3465

ORDER ID : J6262

ATTENTION : Frank Galdun



Table Of Contents for J6262

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3) Qualifier Page	6
4) QA Checklist	7
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6.2) Lab Certificate	51
6.3) Internal COC	52

Cover Page

Order ID : J6262

Project ID : 4125-4149 Laconia Ave Bronx, NY

Client : GFE LLC

Lab Sample Number

J6262-01
J6262-02
J6262-03
J6262-04
J6262-05
J6262-06
J6262-07

Client Sample Number

IA1
IA2
SV1
SV2
IA3
IA4
OA1

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature :



NYDOH CERTIFICATION NO - 11376

APPROVED

Date: 12/17/2018

By Mildred V Reyes, QAQC Supervisor at 11:24 am, Dec 18, 2018

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

GFE LLC

Project Name: 4125-4149 Laconia Ave Bronx, NY

Project # N/A

Chemtech Project # J6262

Test Name: TO-15

A. Number of Samples and Date of Receipt:

7 Air samples were received on 12/06/2018.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: TO-15. This data package contains results for TO-15.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_L were done using GC column RTX-1, which is 60 meters, 0.32 mm id, 1.0 um df, Restek Cat. #10157. The Trap was supplied by Entech, glass bead and Tenax , Entech 7100A Preconcentrator. The analysis of TO-15 was based on method TO-15.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD for {J6262-01DUP} with File ID: VL032935.D recoveries met criteria except for Benzene[20.3%] .

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

The Tuning criteria met requirements.

Samples SV1, SV2 was diluted Due to potential high concentration of target analytes , samples were initially analyzed at a dilution.

Samples IA1, IA2, SV1, SV1DL, SV2, IA3 and IA4 were diluted due to high concentrations.

E. Additional Comments:

The samples SV1 was screened for high target compounds. Due to the high concentration of Tetrachloroethene the samples was not analyzed at a lower dilution.

F. Manual Integration Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature__

**APPROVED***By Mildred V Reyes, QAQC Supervisor at 11:24 am, Dec 18, 2018*

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following "Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: J6262

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

1st Level QA Review Signature: SHREENA PATEL

Date: 12/17/2018

2nd Level QA Review Signature

Mildred V Reyes

APPROVED

By Mildred V Reyes, QAQC Supervisor at 11:24 am, Dec 18, 2018

Hit Summary Sheet SW-846

SDG No.: J6262

Client: GFE LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	IA1								
J6262-01	IA1	Air	Dichlorodifluoromethane	1.04	J	0.1	0.49	2.47	ug/m3
J6262-01	IA1	Air	Chloromethane	1.57		0.04	0.21	1.03	ug/m3
J6262-01	IA1	Air	Trichlorofluoromethane	1.46	J	0.11	0.56	2.81	ug/m3
J6262-01	IA1	Air	Heptane	1.68	J	0.04	0.41	2.05	ug/m3
J6262-01	IA1	Air	Acetone	51.80	E	0.05	0.24	1.19	ug/m3
J6262-01	IA1	Air	Methylene Chloride	8.34		0.14	0.35	1.74	ug/m3
J6262-01	IA1	Air	Cyclohexane	0.86	J	0.07	0.34	1.72	ug/m3
J6262-01	IA1	Air	2-Butanone	5.90		0.06	0.29	1.47	ug/m3
J6262-01	IA1	Air	Carbon Tetrachloride	0.50		0.06	0.19	0.19	ug/m3
J6262-01	IA1	Air	cis-1,2-Dichloroethene	0.71	J	0.08	0.4	1.98	ug/m3
J6262-01	IA1	Air	Chloroform	0.54	J	0.1	0.49	2.44	ug/m3
J6262-01	IA1	Air	2,2,4-Trimethylpentane	1.68	J	0.05	0.47	2.34	ug/m3
J6262-01	IA1	Air	Benzene	0.99	J	0.03	0.32	1.6	ug/m3
J6262-01	IA1	Air	Trichloroethene	2.42		0.11	0.16	0.16	ug/m3
J6262-01	IA1	Air	Toluene	37.70		0.08	0.38	1.88	ug/m3
J6262-01	IA1	Air	Tetrachloroethene	21.70		0.14	0.2	0.2	ug/m3
J6262-01	IA1	Air	Ethyl Benzene	0.83	J	0.04	0.43	2.17	ug/m3
J6262-01	IA1	Air	m/p-Xylene	3.00	J	0.17	0.87	4.34	ug/m3
J6262-01	IA1	Air	o-Xylene	1.09	J	0.09	0.43	2.17	ug/m3
J6262-01	IA1	Air	1,3,5-Trimethylbenzene	0.69	J	0.1	0.49	2.46	ug/m3
J6262-01	IA1	Air	1,2,4-Trimethylbenzene	2.26	J	0.1	0.49	2.46	ug/m3
J6262-01	IA1	Air	Naphthalene	0.94	J	0.21	0.52	2.62	ug/m3
J6262-01	IA1	Air	4-Ethyltoluene	0.84	J	0.1	0.49	2.46	ug/m3
J6262-01	IA1	Air	Hexane	20.80		0.04	0.35	1.76	ug/m3
J6262-01	IA1	Air	Methyl Methacrylate	12.70		0.08	0.41	2.05	ug/m3
Total Voc :				182.04					
Total Concentration:				182.04					
Client ID:	IA1DL								
J6262-01DL	IA1DL	Air	Acetone	52.70	D	0.57	2.38	11.9	ug/m3
J6262-01DL	IA1DL	Air	2-Butanone	5.01	JD	0.44	2.95	14.8	ug/m3
J6262-01DL	IA1DL	Air	Tetrachloroethene	17.00	D	1.22	2.03	2.03	ug/m3
J6262-01DL	IA1DL	Air	Hexane	21.80	D	0.42	3.52	17.6	ug/m3
Total Voc :				96.51					
Total Concentration:				96.51					
Client ID:	IA2								
J6262-02	IA2	Air	Dichlorodifluoromethane	0.89	J	0.1	0.49	2.47	ug/m3
J6262-02	IA2	Air	Chloromethane	1.38		0.04	0.21	1.03	ug/m3

Hit Summary Sheet SW-846

SDG No.: J6262
Client: GFE LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
J6262-02	IA2	Air	Trichlorofluoromethane	1.85	J	0.11	0.56	2.81	ug/m3
J6262-02	IA2	Air	Heptane	2.38		0.04	0.41	2.05	ug/m3
J6262-02	IA2	Air	Acetone	113.00	E	0.05	0.24	1.19	ug/m3
J6262-02	IA2	Air	Carbon Disulfide	0.40	J	0.06	0.31	1.56	ug/m3
J6262-02	IA2	Air	Methylene Chloride	6.60		0.14	0.35	1.74	ug/m3
J6262-02	IA2	Air	Cyclohexane	1.20	J	0.07	0.34	1.72	ug/m3
J6262-02	IA2	Air	2-Butanone	5.60		0.06	0.29	1.47	ug/m3
J6262-02	IA2	Air	Carbon Tetrachloride	0.57		0.06	0.19	0.19	ug/m3
J6262-02	IA2	Air	cis-1,2-Dichloroethene	2.93		0.08	0.4	1.98	ug/m3
J6262-02	IA2	Air	Chloroform	5.86		0.1	0.49	2.44	ug/m3
J6262-02	IA2	Air	2,2,4-Trimethylpentane	2.90		0.05	0.47	2.34	ug/m3
J6262-02	IA2	Air	Benzene	7.67		0.03	0.32	1.6	ug/m3
J6262-02	IA2	Air	Trichloroethene	8.06		0.11	0.16	0.16	ug/m3
J6262-02	IA2	Air	Toluene	16.20		0.08	0.38	1.88	ug/m3
J6262-02	IA2	Air	Tetrachloroethene	46.80		0.14	0.2	0.2	ug/m3
J6262-02	IA2	Air	Ethyl Benzene	1.35	J	0.04	0.43	2.17	ug/m3
J6262-02	IA2	Air	m/p-Xylene	4.78		0.17	0.87	4.34	ug/m3
J6262-02	IA2	Air	o-Xylene	1.74	J	0.09	0.43	2.17	ug/m3
J6262-02	IA2	Air	Styrene	1.32	J	0.09	0.43	2.13	ug/m3
J6262-02	IA2	Air	1,3,5-Trimethylbenzene	1.08	J	0.1	0.49	2.46	ug/m3
J6262-02	IA2	Air	1,2,4-Trimethylbenzene	2.90		0.1	0.49	2.46	ug/m3
J6262-02	IA2	Air	1,4-Dichlorobenzene	0.90	J	0.12	0.6	3.01	ug/m3
J6262-02	IA2	Air	Naphthalene	0.63	J	0.21	0.52	2.62	ug/m3
J6262-02	IA2	Air	4-Ethyltoluene	0.88	J	0.1	0.49	2.46	ug/m3
J6262-02	IA2	Air	Methyl Methacrylate	1.15	J	0.08	0.41	2.05	ug/m3
Total Voc :				241.02					
Total Concentration:				241.02					
Client ID:	IA2DL								
J6262-02DL	IA2DL	Air	Acetone	141.00	D	0.57	2.38	11.9	ug/m3
J6262-02DL	IA2DL	Air	2-Butanone	4.72	JD	0.44	2.95	14.8	ug/m3
J6262-02DL	IA2DL	Air	Chloroform	5.37	JD	0.83	4.88	24.4	ug/m3
J6262-02DL	IA2DL	Air	Benzene	5.75	JD	0.38	3.19	16.0	ug/m3
J6262-02DL	IA2DL	Air	Trichloroethene	6.45	D	1.18	1.61	1.61	ug/m3
J6262-02DL	IA2DL	Air	Tetrachloroethene	35.30	D	1.22	2.03	2.03	ug/m3
Total Voc :				198.59					
Total Concentration:				198.59					
Client ID:	SV1								
J6262-03	SV1	Air	Acetone	131.00		0.57	2.38	11.9	ug/m3

Hit Summary Sheet SW-846

SDG No.: J6262
Client: GFE LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
J6262-03	SV1	Air	Carbon Disulfide	9.97	J	0.69	3.11	15.6	ug/m3
J6262-03	SV1	Air	trans-1,2-Dichloroethene	67.00		1.23	3.96	19.8	ug/m3
J6262-03	SV1	Air	2-Butanone	5.60	J	0.44	2.95	14.8	ug/m3
J6262-03	SV1	Air	cis-1,2-Dichloroethene	594.00		0.87	3.96	19.8	ug/m3
J6262-03	SV1	Air	Chloroform	11.70	J	0.83	4.88	24.4	ug/m3
J6262-03	SV1	Air	Trichloroethene	4,944.00	E	1.18	1.61	1.61	ug/m3
J6262-03	SV1	Air	Toluene	17.00	J	0.83	3.77	18.8	ug/m3
J6262-03	SV1	Air	Tetrachloroethene	55,605.00	E	1.22	2.03	2.03	ug/m3
J6262-03	SV1	Air	Ethyl Benzene	6.52	J	0.52	4.34	21.7	ug/m3
J6262-03	SV1	Air	m/p-Xylene	23.50	J	1.69	8.69	43.4	ug/m3
J6262-03	SV1	Air	o-Xylene	12.60	J	1.04	4.34	21.7	ug/m3
J6262-03	SV1	Air	1,3,5-Trimethylbenzene	6.88	J	1.23	4.92	24.6	ug/m3
J6262-03	SV1	Air	1,2,4-Trimethylbenzene	18.70	J	0.74	4.92	24.6	ug/m3
J6262-03	SV1	Air	4-Ethyltoluene	6.88	J	0.88	4.92	24.6	ug/m3
J6262-03	SV1	Air	Hexane	26.40		0.42	3.52	17.6	ug/m3
Total Voc :				61486.75					
Total Concentration:				61486.75					
Client ID: SV1DL	SV1DL	Air	Trichloroethene	5,911.00	D	139	193	193	ug/m3
J6262-03DL	SV1DL	Air	Tetrachloroethene	303,119.00	ED	147	244	244	ug/m3
Total Voc :				309030					
Total Concentration:				309030					
Client ID: SV2	SV2	Air	Dichlorodifluoromethane	19.30	J	1.09	4.94	24.7	ug/m3
J6262-04	SV2	Air	Chloromethane	3.10	J	0.45	2.07	10.3	ug/m3
J6262-04	SV2	Air	Vinyl Chloride	9.46		0.31	0.77	0.77	ug/m3
J6262-04	SV2	Air	1,1-Dichloroethene	6.74	J	0.67	3.96	19.8	ug/m3
J6262-04	SV2	Air	Acetone	42.80		0.57	2.38	11.9	ug/m3
J6262-04	SV2	Air	Carbon Disulfide	12.80	J	0.69	3.11	15.6	ug/m3
J6262-04	SV2	Air	Methyl tert-Butyl Ether	16.60	J	0.43	3.61	18.0	ug/m3
J6262-04	SV2	Air	trans-1,2-Dichloroethene	396.00		1.23	3.96	19.8	ug/m3
J6262-04	SV2	Air	cis-1,2-Dichloroethene	515.00		0.87	3.96	19.8	ug/m3
J6262-04	SV2	Air	Chloroform	56.60		0.83	4.88	24.4	ug/m3
J6262-04	SV2	Air	Benzene	3.83	J	0.38	3.19	16.0	ug/m3
J6262-04	SV2	Air	Trichloroethene	3,815.00	E	1.18	1.61	1.61	ug/m3
J6262-04	SV2	Air	Toluene	10.90	J	0.83	3.77	18.8	ug/m3
J6262-04	SV2	Air	Tetrachloroethene	17,631.00	E	1.22	2.03	2.03	ug/m3
J6262-04	SV2	Air	m/p-Xylene	26.10	J	1.69	8.69	43.4	ug/m3

Hit Summary Sheet SW-846

SDG No.: J6262
Client: GFE LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
J6262-04	SV2	Air	o-Xylene	13.00	J	1.04	4.34	21.7	ug/m3
J6262-04	SV2	Air	1,3,5-Trimethylbenzene	7.87	J	1.23	4.92	24.6	ug/m3
J6262-04	SV2	Air	1,2,4-Trimethylbenzene	25.60		0.74	4.92	24.6	ug/m3
J6262-04	SV2	Air	4-Ethyltoluene	7.37	J	0.88	4.92	24.6	ug/m3
J6262-04	SV2	Air	Hexane	14.80	J	0.42	3.52	17.6	ug/m3
Total Voc :				22633.87					
Total Concentration:				22633.87					
Client ID:	SV2DL								
J6262-04DL	SV2DL	Air	trans-1,2-Dichloroethene	367.00	JD	48.8	158	792	ug/m3
J6262-04DL	SV2DL	Air	cis-1,2-Dichloroethene	436.00	JD	34.5	158	792	ug/m3
J6262-04DL	SV2DL	Air	Trichloroethene	3,385.00	D	46.8	64.5	64.5	ug/m3
J6262-04DL	SV2DL	Air	Tetrachloroethene	28,480.00	D	48.8	81.4	81.4	ug/m3
Total Voc :				32668					
Total Concentration:				32668					
Client ID:	IA3								
J6262-05	IA3	Air	Dichlorodifluoromethane	1.04	J	0.1	0.49	2.47	ug/m3
J6262-05	IA3	Air	Chloromethane	1.38		0.04	0.21	1.03	ug/m3
J6262-05	IA3	Air	Trichlorofluoromethane	1.69	J	0.11	0.56	2.81	ug/m3
J6262-05	IA3	Air	Heptane	1.15	J	0.04	0.41	2.05	ug/m3
J6262-05	IA3	Air	Acetone	45.40	E	0.05	0.24	1.19	ug/m3
J6262-05	IA3	Air	Methylene Chloride	5.91		0.14	0.35	1.74	ug/m3
J6262-05	IA3	Air	2-Butanone	2.77		0.06	0.29	1.47	ug/m3
J6262-05	IA3	Air	Carbon Tetrachloride	0.50		0.06	0.19	0.19	ug/m3
J6262-05	IA3	Air	Chloroform	2.00	J	0.1	0.49	2.44	ug/m3
J6262-05	IA3	Air	2,2,4-Trimethylpentane	1.54	J	0.05	0.47	2.34	ug/m3
J6262-05	IA3	Air	Benzene	7.03		0.03	0.32	1.6	ug/m3
J6262-05	IA3	Air	Trichloroethene	1.56		0.11	0.16	0.16	ug/m3
J6262-05	IA3	Air	Toluene	13.60		0.08	0.38	1.88	ug/m3
J6262-05	IA3	Air	Tetrachloroethene	9.49		0.14	0.2	0.2	ug/m3
J6262-05	IA3	Air	Ethyl Benzene	0.78	J	0.04	0.43	2.17	ug/m3
J6262-05	IA3	Air	m/p-Xylene	2.82	J	0.17	0.87	4.34	ug/m3
J6262-05	IA3	Air	o-Xylene	0.96	J	0.09	0.43	2.17	ug/m3
J6262-05	IA3	Air	Styrene	0.68	J	0.09	0.43	2.13	ug/m3
J6262-05	IA3	Air	1,3,5-Trimethylbenzene	0.54	J	0.1	0.49	2.46	ug/m3
J6262-05	IA3	Air	1,2,4-Trimethylbenzene	1.57	J	0.1	0.49	2.46	ug/m3
J6262-05	IA3	Air	1,4-Dichlorobenzene	1.56	J	0.12	0.6	3.01	ug/m3
J6262-05	IA3	Air	Naphthalene	1.31	J	0.21	0.52	2.62	ug/m3
J6262-05	IA3	Air	4-Ethyltoluene	0.49	J	0.1	0.49	2.46	ug/m3

Hit Summary Sheet SW-846

SDG No.: J6262
Client: GFE LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
J6262-05	IA3	Air	Hexane	8.81		0.04	0.35	1.76	ug/m3
			Total Voc :	114.58					
			Total Concentration:	114.58					
Client ID:	IA3DL								
J6262-05DL	IA3DL	Air	Acetone	47.80	D	0.57	2.38	11.9	ug/m3
J6262-05DL	IA3DL	Air	Benzene	5.75	JD	0.38	3.19	16.0	ug/m3
J6262-05DL	IA3DL	Air	Tetrachloroethene	7.46	D	1.22	2.03	2.03	ug/m3
J6262-05DL	IA3DL	Air	Hexane	10.20	JD	0.42	3.52	17.6	ug/m3
			Total Voc :	71.21					
			Total Concentration:	71.21					
Client ID:	IA4								
J6262-06	IA4	Air	Dichlorodifluoromethane	0.99	J	0.1	0.49	2.47	ug/m3
J6262-06	IA4	Air	Chloromethane	1.22		0.04	0.21	1.03	ug/m3
J6262-06	IA4	Air	Tetrahydrofuran	2.12		0.03	0.29	1.47	ug/m3
J6262-06	IA4	Air	Trichlorofluoromethane	1.40	J	0.11	0.56	2.81	ug/m3
J6262-06	IA4	Air	Heptane	1.23	J	0.04	0.41	2.05	ug/m3
J6262-06	IA4	Air	Acetone	224.00	E	0.05	0.24	1.19	ug/m3
J6262-06	IA4	Air	Methylene Chloride	18.10		0.14	0.35	1.74	ug/m3
J6262-06	IA4	Air	2-Butanone	4.13		0.06	0.29	1.47	ug/m3
J6262-06	IA4	Air	Carbon Tetrachloride	0.44		0.06	0.19	0.19	ug/m3
J6262-06	IA4	Air	cis-1,2-Dichloroethene	0.52	J	0.08	0.4	1.98	ug/m3
J6262-06	IA4	Air	Chloroform	1.66	J	0.1	0.49	2.44	ug/m3
J6262-06	IA4	Air	2,2,4-Trimethylpentane	1.12	J	0.05	0.47	2.34	ug/m3
J6262-06	IA4	Air	Benzene	1.57	J	0.03	0.32	1.6	ug/m3
J6262-06	IA4	Air	Trichloroethene	1.61		0.11	0.16	0.16	ug/m3
J6262-06	IA4	Air	Toluene	24.50		0.08	0.38	1.88	ug/m3
J6262-06	IA4	Air	Tetrachloroethene	15.60		0.14	0.2	0.2	ug/m3
J6262-06	IA4	Air	Ethyl Benzene	0.69	J	0.04	0.43	2.17	ug/m3
J6262-06	IA4	Air	m/p-Xylene	2.74	J	0.17	0.87	4.34	ug/m3
J6262-06	IA4	Air	o-Xylene	0.83	J	0.09	0.43	2.17	ug/m3
J6262-06	IA4	Air	1,3,5-Trimethylbenzene	0.88	J	0.1	0.49	2.46	ug/m3
J6262-06	IA4	Air	1,2,4-Trimethylbenzene	3.39		0.1	0.49	2.46	ug/m3
J6262-06	IA4	Air	1,4-Dichlorobenzene	0.60	J	0.12	0.6	3.01	ug/m3
J6262-06	IA4	Air	Naphthalene	0.84	J	0.21	0.52	2.62	ug/m3
J6262-06	IA4	Air	4-Ethyltoluene	0.98	J	0.1	0.49	2.46	ug/m3
J6262-06	IA4	Air	Hexane	16.20		0.04	0.35	1.76	ug/m3
J6262-06	IA4	Air	Methyl Methacrylate	328.00	E	0.08	0.41	2.05	ug/m3
			Total Voc :	655.36					

Hit Summary Sheet SW-846

SDG No.: J6262
Client: GFE LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Total Concentration:				655.36					
Client ID:	IA4DL								
J6262-06DL	IA4DL	Air	Acetone	285.00	D	0.57	2.38	11.9	ug/m3
J6262-06DL	IA4DL	Air	2-Butanone	4.13	JD	0.44	2.95	14.8	ug/m3
J6262-06DL	IA4DL	Air	Tetrachloroethene	12.90	D	1.22	2.03	2.03	ug/m3
J6262-06DL	IA4DL	Air	Hexane	17.60	D	0.42	3.52	17.6	ug/m3
J6262-06DL	IA4DL	Air	Methyl Methacrylate	323.00	D	0.9	4.09	20.5	ug/m3
Total Voc :				642.63					
Total Concentration:				642.63					
Client ID:	OA1								
J6262-07	OA1	Air	Dichlorodifluoromethane	1.04	J	0.1	0.49	2.47	ug/m3
J6262-07	OA1	Air	Chloromethane	1.20		0.04	0.21	1.03	ug/m3
J6262-07	OA1	Air	Trichlorofluoromethane	1.46	J	0.11	0.56	2.81	ug/m3
J6262-07	OA1	Air	Heptane	2.25		0.04	0.41	2.05	ug/m3
J6262-07	OA1	Air	Acetone	11.60		0.05	0.24	1.19	ug/m3
J6262-07	OA1	Air	Methylene Chloride	12.20		0.14	0.35	1.74	ug/m3
J6262-07	OA1	Air	Cyclohexane	1.45	J	0.07	0.34	1.72	ug/m3
J6262-07	OA1	Air	2-Butanone	2.04		0.06	0.29	1.47	ug/m3
J6262-07	OA1	Air	Carbon Tetrachloride	0.44		0.06	0.19	0.19	ug/m3
J6262-07	OA1	Air	2,2,4-Trimethylpentane	4.11		0.05	0.47	2.34	ug/m3
J6262-07	OA1	Air	Benzene	1.31	J	0.03	0.32	1.6	ug/m3
J6262-07	OA1	Air	Trichloroethene	0.43		0.11	0.16	0.16	ug/m3
J6262-07	OA1	Air	Toluene	43.30		0.08	0.38	1.88	ug/m3
J6262-07	OA1	Air	Tetrachloroethene	0.54		0.14	0.2	0.2	ug/m3
J6262-07	OA1	Air	Ethyl Benzene	2.04	J	0.04	0.43	2.17	ug/m3
J6262-07	OA1	Air	m/p-Xylene	5.21		0.17	0.87	4.34	ug/m3
J6262-07	OA1	Air	o-Xylene	1.65	J	0.09	0.43	2.17	ug/m3
J6262-07	OA1	Air	1,2,4-Trimethylbenzene	1.28	J	0.1	0.49	2.46	ug/m3
J6262-07	OA1	Air	Hexane	24.70		0.04	0.35	1.76	ug/m3
Total Voc :				118.25					
Total Concentration:				118.25					

SAMPLE DATA

Report of Analysis

Client:	GFE LLC	Date Collected:	12/04/18
Project:	4125-4149 Laconia Ave Bronx, NY	Date Received:	12/06/18
Client Sample ID:	IA1	SDG No.:	J6262
Lab Sample ID:	J6262-01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL032934.D	1		12/07/18 14:33	VL120718

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	0.21	1.04	J	0.1	0.49	2.47	ug/m3
74-87-3	Chloromethane	0.76	1.57		0.04	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.03	0.08	U	0.03	0.08	0.08	ug/m3
74-83-9	Bromomethane	0.1	0.39	U	0.12	0.39	1.94	ug/m3
75-00-3	Chloroethane	0.1	0.26	U	0.11	0.26	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.1	0.29	U	0.03	0.29	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.26	1.46	J	0.11	0.56	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.1	0.77	U	0.15	0.77	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.1	0.7	U	0.07	0.7	3.49	ug/m3
593-60-2	Bromoethene	0.1	0.44	U	0.13	0.44	2.19	ug/m3
75-65-0	tert-Butyl alcohol	0.1	0.3	U	0.12	0.3	1.52	ug/m3
142-82-5	Heptane	0.41	1.68	J	0.04	0.41	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.1	0.4	U	0.08	0.4	1.98	ug/m3
67-64-1	Acetone	21.8	51.8	E	0.05	0.24	1.19	ug/m3
75-15-0	Carbon Disulfide	0.1	0.31	U	0.06	0.31	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.1	0.36	U	0.04	0.36	1.8	ug/m3
75-09-2	Methylene Chloride	2.4	8.34		0.14	0.35	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.1	0.4	U	0.12	0.4	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.1	0.4	U	0.08	0.4	2.02	ug/m3
110-82-7	Cyclohexane	0.25	0.86	J	0.07	0.34	1.72	ug/m3
78-93-3	2-Butanone	2	5.9		0.06	0.29	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.08	0.5		0.06	0.19	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.18	0.71	J	0.08	0.4	1.98	ug/m3
67-66-3	Chloroform	0.11	0.54	J	0.1	0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.03	0.16	U	0.11	0.16	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.36	1.68	J	0.05	0.47	2.34	ug/m3
71-43-2	Benzene	0.31	0.99	J	0.03	0.32	1.6	ug/m3
107-06-2	1,2-Dichloroethane	0.1	0.4	U	0.08	0.4	2.02	ug/m3
79-01-6	Trichloroethene	0.45	2.42		0.11	0.16	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.1	0.46	U	0.09	0.46	2.31	ug/m3
75-27-4	Bromodichloromethane	0.1	0.67	U	0.13	0.67	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.1	0.41	U	0.08	0.41	2.05	ug/m3
108-88-3	Toluene	10	37.7		0.08	0.38	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.1	0.45	U	0.09	0.45	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.1	0.45	U	0.09	0.45	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.1	0.55	U	0.11	0.55	2.73	ug/m3
124-48-1	Dibromochloromethane	0.1	0.85	U	0.17	0.85	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.1	0.77	U	0.15	0.77	3.84	ug/m3

Report of Analysis

Client:	GFE LLC	Date Collected:	12/04/18
Project:	4125-4149 Laconia Ave Bronx, NY	Date Received:	12/06/18
Client Sample ID:	IA1	SDG No.:	J6262
Lab Sample ID:	J6262-01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL032934.D	1		12/07/18 14:33	VL120718

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	3.2	21.7		0.14	0.2	0.2	ug/m3
108-90-7	Chlorobenzene	0.1	0.46	U	0.09	0.46	2.3	ug/m3
100-41-4	Ethyl Benzene	0.19	0.83	J	0.04	0.43	2.17	ug/m3
179601-23-1	m/p-Xylene	0.69	3	J	0.17	0.87	4.34	ug/m3
95-47-6	o-Xylene	0.25	1.09	J	0.09	0.43	2.17	ug/m3
100-42-5	Styrene	0.1	0.43	U	0.09	0.43	2.13	ug/m3
75-25-2	Bromoform	0.1	1.03	U	0.21	1.03	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.1	0.69	U	0.07	0.69	3.43	ug/m3
95-49-8	2-Chlorotoluene	0.1	0.52	U	0.1	0.52	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.14	0.69	J	0.1	0.49	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.46	2.26	J	0.1	0.49	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.1	0.6	U	0.12	0.6	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.1	0.6	U	0.12	0.6	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.1	0.6	U	0.12	0.6	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.1	0.74	U	0.22	0.74	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.1	1.07	U	0.21	1.07	5.33	ug/m3
106-99-0	1,3-Butadiene	0.1	0.22	U	0.07	0.22	1.11	ug/m3
91-20-3	Naphthalene	0.18	0.94	J	0.21	0.52	2.62	ug/m3
622-96-8	4-Ethyltoluene	0.17	0.84	J	0.1	0.49	2.46	ug/m3
110-54-3	Hexane	5.9	20.8		0.04	0.35	1.76	ug/m3
107-05-1	Allyl Chloride	0.1	0.31	U	0.06	0.31	1.57	ug/m3
123-91-1	1,4-Dioxane	0.4	1.44	U	0.25	1.44	1.8	ug/m3
80-62-6	Methyl Methacrylate	3.1	12.7		0.08	0.41	2.05	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.3			65 - 135		103%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	1069240		5.77				
540-36-3	1,4-Difluorobenzene	2766250		7.3				
3114-55-4	Chlorobenzene-d5	2631790		12.25				

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Report of Analysis

Client:	GFE LLC	Date Collected:	12/04/18
Project:	4125-4149 Laconia Ave Bronx, NY	Date Received:	12/06/18
Client Sample ID:	IA1DL	SDG No.:	J6262
Lab Sample ID:	J6262-01DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL032936.D	10		12/07/18 15:52	VL120718

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	1	4.94	UD	1.09	4.94	24.7	ug/m3
74-87-3	Chloromethane	1	2.07	UD	0.45	2.07	10.3	ug/m3
75-01-4	Vinyl Chloride	0.3	0.77	UD	0.31	0.77	0.77	ug/m3
74-83-9	Bromomethane	1	3.88	UD	1.2	3.88	19.4	ug/m3
75-00-3	Chloroethane	1	2.64	UD	1.11	2.64	13.2	ug/m3
109-99-9	Tetrahydrofuran	1	2.95	UD	0.35	2.95	14.8	ug/m3
75-69-4	Trichlorofluoromethane	1	5.62	UD	1.24	5.62	28.1	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	1	7.66	UD	1.69	7.66	38.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	1	6.99	UD	0.84	6.99	35.0	ug/m3
593-60-2	Bromoethene	1	4.37	UD	1.36	4.37	21.9	ug/m3
75-65-0	tert-Butyl alcohol	1	3.03	UD	1.3	3.03	15.2	ug/m3
142-82-5	Heptane	1	4.1	UD	0.49	4.1	20.5	ug/m3
75-35-4	1,1-Dichloroethene	1	3.96	UD	0.67	3.96	19.8	ug/m3
67-64-1	Acetone	22.2	52.7	D	0.57	2.38	11.9	ug/m3
75-15-0	Carbon Disulfide	1	3.11	UD	0.69	3.11	15.6	ug/m3
1634-04-4	Methyl tert-Butyl Ether	1	3.61	UD	0.43	3.61	18.0	ug/m3
75-09-2	Methylene Chloride	1	3.47	UD	1.49	3.47	17.4	ug/m3
156-60-5	trans-1,2-Dichloroethene	1	3.96	UD	1.23	3.96	19.8	ug/m3
75-34-3	1,1-Dichloroethane	1	4.05	UD	0.69	4.05	20.2	ug/m3
110-82-7	Cyclohexane	1	3.44	UD	0.76	3.44	17.2	ug/m3
78-93-3	2-Butanone	1.7	5.01	JD	0.44	2.95	14.8	ug/m3
56-23-5	Carbon Tetrachloride	0.3	1.89	UD	0.75	1.89	1.89	ug/m3
156-59-2	cis-1,2-Dichloroethene	1	3.96	UD	0.87	3.96	19.8	ug/m3
67-66-3	Chloroform	1	4.88	UD	0.83	4.88	24.4	ug/m3
71-55-6	1,1,1-Trichloroethane	0.3	1.64	UD	0.82	1.64	1.64	ug/m3
540-84-1	2,2,4-Trimethylpentane	1	4.67	UD	0.56	4.67	23.4	ug/m3
71-43-2	Benzene	1	3.19	UD	0.38	3.19	16.0	ug/m3
107-06-2	1,2-Dichloroethane	1	4.05	UD	0.61	4.05	20.2	ug/m3
79-01-6	Trichloroethene	0.3	1.61	UD	1.18	1.61	1.61	ug/m3
78-87-5	1,2-Dichloropropane	1	4.62	UD	0.79	4.62	23.1	ug/m3
75-27-4	Bromodichloromethane	1	6.7	UD	1.34	6.7	33.5	ug/m3
108-10-1	4-Methyl-2-Pentanone	1	4.1	UD	1.02	4.1	20.5	ug/m3
108-88-3	Toluene	1	3.77	UD	0.83	3.77	18.8	ug/m3
10061-02-6	t-1,3-Dichloropropene	1	4.54	UD	1.09	4.54	22.7	ug/m3
10061-01-5	cis-1,3-Dichloropropene	1	4.54	UD	0.68	4.54	22.7	ug/m3
79-00-5	1,1,2-Trichloroethane	1	5.46	UD	0.93	5.46	27.3	ug/m3
124-48-1	Dibromochloromethane	1	8.52	UD	1.45	8.52	42.6	ug/m3
106-93-4	1,2-Dibromoethane	1	7.69	UD	1.54	7.69	38.4	ug/m3

Report of Analysis

Client:	GFE LLC	Date Collected:	12/04/18
Project:	4125-4149 Laconia Ave Bronx, NY	Date Received:	12/06/18
Client Sample ID:	IA1DL	SDG No.:	J6262
Lab Sample ID:	J6262-01DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL032936.D	10		12/07/18 15:52	VL120718

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	2.5	17.0	D	1.22	2.03	2.03	ug/m3
108-90-7	Chlorobenzene	1	4.61	UD	0.92	4.61	23.0	ug/m3
100-41-4	Ethyl Benzene	1	4.34	UD	0.52	4.34	21.7	ug/m3
179601-23-1	m/p-Xylene	2	8.69	UD	1.69	8.69	43.4	ug/m3
95-47-6	o-Xylene	1	4.34	UD	1.04	4.34	21.7	ug/m3
100-42-5	Styrene	1	4.26	UD	0.64	4.26	21.3	ug/m3
75-25-2	Bromoform	1	10.3	UD	1.76	10.3	51.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	1	6.87	UD	0.82	6.87	34.3	ug/m3
95-49-8	2-Chlorotoluene	1	5.18	UD	0.78	5.18	25.9	ug/m3
108-67-8	1,3,5-Trimethylbenzene	1	4.92	UD	1.23	4.92	24.6	ug/m3
95-63-6	1,2,4-Trimethylbenzene	1	4.92	UD	0.74	4.92	24.6	ug/m3
541-73-1	1,3-Dichlorobenzene	1	6.01	UD	1.32	6.01	30.1	ug/m3
106-46-7	1,4-Dichlorobenzene	1	6.01	UD	1.08	6.01	30.1	ug/m3
95-50-1	1,2-Dichlorobenzene	1	6.01	UD	1.08	6.01	30.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	1	7.42	UD	2.08	7.42	37.1	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	1	10.7	UD	2.56	10.7	53.3	ug/m3
106-99-0	1,3-Butadiene	1	2.21	UD	0.66	2.21	11.1	ug/m3
91-20-3	Naphthalene	1	5.24	UD	2.04	5.24	26.2	ug/m3
622-96-8	4-Ethyltoluene	1	4.92	UD	0.88	4.92	24.6	ug/m3
110-54-3	Hexane	6.2	21.8	D	0.42	3.52	17.6	ug/m3
107-05-1	Allyl Chloride	1	3.13	UD	0.75	3.13	15.6	ug/m3
123-91-1	1,4-Dioxane	4	14.4	UD	2.56	14.4	18.0	ug/m3
80-62-6	Methyl Methacrylate	1	4.09	UD	0.9	4.09	20.5	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.2			65 - 135		102%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	1318760		5.77				
540-36-3	1,4-Difluorobenzene	3426870		7.29				
3114-55-4	Chlorobenzene-d5	3184380		12.24				

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Report of Analysis

Client:	GFE LLC	Date Collected:	12/04/18
Project:	4125-4149 Laconia Ave Bronx, NY	Date Received:	12/06/18
Client Sample ID:	IA2	SDG No.:	J6262
Lab Sample ID:	J6262-02	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL032937.D	1		12/07/18 16:33	VL120718

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	0.18	0.89	J	0.1	0.49	2.47	ug/m3
74-87-3	Chloromethane	0.67	1.38		0.04	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.03	0.08	U	0.03	0.08	0.08	ug/m3
74-83-9	Bromomethane	0.1	0.39	U	0.12	0.39	1.94	ug/m3
75-00-3	Chloroethane	0.1	0.26	U	0.11	0.26	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.1	0.29	U	0.03	0.29	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.33	1.85	J	0.11	0.56	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.1	0.77	U	0.15	0.77	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.1	0.7	U	0.07	0.7	3.49	ug/m3
593-60-2	Bromoethene	0.1	0.44	U	0.13	0.44	2.19	ug/m3
75-65-0	tert-Butyl alcohol	0.1	0.3	U	0.12	0.3	1.52	ug/m3
142-82-5	Heptane	0.58	2.38		0.04	0.41	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.1	0.4	U	0.08	0.4	1.98	ug/m3
67-64-1	Acetone	47.6	113	E	0.05	0.24	1.19	ug/m3
75-15-0	Carbon Disulfide	0.13	0.4	J	0.06	0.31	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.1	0.36	U	0.04	0.36	1.8	ug/m3
75-09-2	Methylene Chloride	1.9	6.6		0.14	0.35	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.1	0.4	U	0.12	0.4	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.1	0.4	U	0.08	0.4	2.02	ug/m3
110-82-7	Cyclohexane	0.35	1.2	J	0.07	0.34	1.72	ug/m3
78-93-3	2-Butanone	1.9	5.6		0.06	0.29	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.09	0.57		0.06	0.19	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.74	2.93		0.08	0.4	1.98	ug/m3
67-66-3	Chloroform	1.2	5.86		0.1	0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.03	0.16	U	0.11	0.16	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.62	2.9		0.05	0.47	2.34	ug/m3
71-43-2	Benzene	2.4	7.67		0.03	0.32	1.6	ug/m3
107-06-2	1,2-Dichloroethane	0.1	0.4	U	0.08	0.4	2.02	ug/m3
79-01-6	Trichloroethene	1.5	8.06		0.11	0.16	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.1	0.46	U	0.09	0.46	2.31	ug/m3
75-27-4	Bromodichloromethane	0.1	0.67	U	0.13	0.67	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.1	0.41	U	0.08	0.41	2.05	ug/m3
108-88-3	Toluene	4.3	16.2		0.08	0.38	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.1	0.45	U	0.09	0.45	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.1	0.45	U	0.09	0.45	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.1	0.55	U	0.11	0.55	2.73	ug/m3
124-48-1	Dibromochloromethane	0.1	0.85	U	0.17	0.85	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.1	0.77	U	0.15	0.77	3.84	ug/m3

Report of Analysis

Client:	GFE LLC	Date Collected:	12/04/18
Project:	4125-4149 Laconia Ave Bronx, NY	Date Received:	12/06/18
Client Sample ID:	IA2	SDG No.:	J6262
Lab Sample ID:	J6262-02	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL032937.D	1		12/07/18 16:33	VL120718

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	6.9	46.8		0.14	0.2	0.2	ug/m3
108-90-7	Chlorobenzene	0.1	0.46	U	0.09	0.46	2.3	ug/m3
100-41-4	Ethyl Benzene	0.31	1.35	J	0.04	0.43	2.17	ug/m3
179601-23-1	m/p-Xylene	1.1	4.78		0.17	0.87	4.34	ug/m3
95-47-6	o-Xylene	0.4	1.74	J	0.09	0.43	2.17	ug/m3
100-42-5	Styrene	0.31	1.32	J	0.09	0.43	2.13	ug/m3
75-25-2	Bromoform	0.1	1.03	U	0.21	1.03	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.1	0.69	U	0.07	0.69	3.43	ug/m3
95-49-8	2-Chlorotoluene	0.1	0.52	U	0.1	0.52	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.22	1.08	J	0.1	0.49	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.59	2.9		0.1	0.49	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.1	0.6	U	0.12	0.6	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.15	0.9	J	0.12	0.6	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.1	0.6	U	0.12	0.6	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.1	0.74	U	0.22	0.74	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.1	1.07	U	0.21	1.07	5.33	ug/m3
106-99-0	1,3-Butadiene	0.1	0.22	U	0.07	0.22	1.11	ug/m3
91-20-3	Naphthalene	0.12	0.63	J	0.21	0.52	2.62	ug/m3
622-96-8	4-Ethyltoluene	0.18	0.88	J	0.1	0.49	2.46	ug/m3
110-54-3	Hexane	0.1	0.35	U	0.04	0.35	1.76	ug/m3
107-05-1	Allyl Chloride	0.1	0.31	U	0.06	0.31	1.57	ug/m3
123-91-1	1,4-Dioxane	0.4	1.44	U	0.25	1.44	1.8	ug/m3
80-62-6	Methyl Methacrylate	0.28	1.15	J	0.08	0.41	2.05	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.8			65 - 135		108%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	1229730		5.77				
540-36-3	1,4-Difluorobenzene	3256280		7.3				
3114-55-4	Chlorobenzene-d5	3098630		12.25				

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Report of Analysis

Client:	GFE LLC	Date Collected:	12/04/18
Project:	4125-4149 Laconia Ave Bronx, NY	Date Received:	12/06/18
Client Sample ID:	IA2DL	SDG No.:	J6262
Lab Sample ID:	J6262-02DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL032938.D	10		12/07/18 17:12	VL120718

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	1	4.94	UD	1.09	4.94	24.7	ug/m3
74-87-3	Chloromethane	1	2.07	UD	0.45	2.07	10.3	ug/m3
75-01-4	Vinyl Chloride	0.3	0.77	UD	0.31	0.77	0.77	ug/m3
74-83-9	Bromomethane	1	3.88	UD	1.2	3.88	19.4	ug/m3
75-00-3	Chloroethane	1	2.64	UD	1.11	2.64	13.2	ug/m3
109-99-9	Tetrahydrofuran	1	2.95	UD	0.35	2.95	14.8	ug/m3
75-69-4	Trichlorofluoromethane	1	5.62	UD	1.24	5.62	28.1	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	1	7.66	UD	1.69	7.66	38.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	1	6.99	UD	0.84	6.99	35.0	ug/m3
593-60-2	Bromoethene	1	4.37	UD	1.36	4.37	21.9	ug/m3
75-65-0	tert-Butyl alcohol	1	3.03	UD	1.3	3.03	15.2	ug/m3
142-82-5	Heptane	1	4.1	UD	0.49	4.1	20.5	ug/m3
75-35-4	1,1-Dichloroethene	1	3.96	UD	0.67	3.96	19.8	ug/m3
67-64-1	Acetone	59.7	141	D	0.57	2.38	11.9	ug/m3
75-15-0	Carbon Disulfide	1	3.11	UD	0.69	3.11	15.6	ug/m3
1634-04-4	Methyl tert-Butyl Ether	1	3.61	UD	0.43	3.61	18.0	ug/m3
75-09-2	Methylene Chloride	1	3.47	UD	1.49	3.47	17.4	ug/m3
156-60-5	trans-1,2-Dichloroethene	1	3.96	UD	1.23	3.96	19.8	ug/m3
75-34-3	1,1-Dichloroethane	1	4.05	UD	0.69	4.05	20.2	ug/m3
110-82-7	Cyclohexane	1	3.44	UD	0.76	3.44	17.2	ug/m3
78-93-3	2-Butanone	1.6	4.72	JD	0.44	2.95	14.8	ug/m3
56-23-5	Carbon Tetrachloride	0.3	1.89	UD	0.75	1.89	1.89	ug/m3
156-59-2	cis-1,2-Dichloroethene	1	3.96	UD	0.87	3.96	19.8	ug/m3
67-66-3	Chloroform	1.1	5.37	JD	0.83	4.88	24.4	ug/m3
71-55-6	1,1,1-Trichloroethane	0.3	1.64	UD	0.82	1.64	1.64	ug/m3
540-84-1	2,2,4-Trimethylpentane	1	4.67	UD	0.56	4.67	23.4	ug/m3
71-43-2	Benzene	1.8	5.75	JD	0.38	3.19	16.0	ug/m3
107-06-2	1,2-Dichloroethane	1	4.05	UD	0.61	4.05	20.2	ug/m3
79-01-6	Trichloroethene	1.2	6.45	D	1.18	1.61	1.61	ug/m3
78-87-5	1,2-Dichloropropane	1	4.62	UD	0.79	4.62	23.1	ug/m3
75-27-4	Bromodichloromethane	1	6.7	UD	1.34	6.7	33.5	ug/m3
108-10-1	4-Methyl-2-Pentanone	1	4.1	UD	1.02	4.1	20.5	ug/m3
108-88-3	Toluene	1	3.77	UD	0.83	3.77	18.8	ug/m3
10061-02-6	t-1,3-Dichloropropene	1	4.54	UD	1.09	4.54	22.7	ug/m3
10061-01-5	cis-1,3-Dichloropropene	1	4.54	UD	0.68	4.54	22.7	ug/m3
79-00-5	1,1,2-Trichloroethane	1	5.46	UD	0.93	5.46	27.3	ug/m3
124-48-1	Dibromochloromethane	1	8.52	UD	1.45	8.52	42.6	ug/m3
106-93-4	1,2-Dibromoethane	1	7.69	UD	1.54	7.69	38.4	ug/m3

Report of Analysis

Client:	GFE LLC	Date Collected:	12/04/18
Project:	4125-4149 Laconia Ave Bronx, NY	Date Received:	12/06/18
Client Sample ID:	IA2DL	SDG No.:	J6262
Lab Sample ID:	J6262-02DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL032938.D	10		12/07/18 17:12	VL120718

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	5.2	35.3	D	1.22	2.03	2.03	ug/m3
108-90-7	Chlorobenzene	1	4.61	UD	0.92	4.61	23.0	ug/m3
100-41-4	Ethyl Benzene	1	4.34	UD	0.52	4.34	21.7	ug/m3
179601-23-1	m/p-Xylene	2	8.69	UD	1.69	8.69	43.4	ug/m3
95-47-6	o-Xylene	1	4.34	UD	1.04	4.34	21.7	ug/m3
100-42-5	Styrene	1	4.26	UD	0.64	4.26	21.3	ug/m3
75-25-2	Bromoform	1	10.3	UD	1.76	10.3	51.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	1	6.87	UD	0.82	6.87	34.3	ug/m3
95-49-8	2-Chlorotoluene	1	5.18	UD	0.78	5.18	25.9	ug/m3
108-67-8	1,3,5-Trimethylbenzene	1	4.92	UD	1.23	4.92	24.6	ug/m3
95-63-6	1,2,4-Trimethylbenzene	1	4.92	UD	0.74	4.92	24.6	ug/m3
541-73-1	1,3-Dichlorobenzene	1	6.01	UD	1.32	6.01	30.1	ug/m3
106-46-7	1,4-Dichlorobenzene	1	6.01	UD	1.08	6.01	30.1	ug/m3
95-50-1	1,2-Dichlorobenzene	1	6.01	UD	1.08	6.01	30.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	1	7.42	UD	2.08	7.42	37.1	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	1	10.7	UD	2.56	10.7	53.3	ug/m3
106-99-0	1,3-Butadiene	1	2.21	UD	0.66	2.21	11.1	ug/m3
91-20-3	Naphthalene	1	5.24	UD	2.04	5.24	26.2	ug/m3
622-96-8	4-Ethyltoluene	1	4.92	UD	0.88	4.92	24.6	ug/m3
110-54-3	Hexane	1	3.52	UD	0.42	3.52	17.6	ug/m3
107-05-1	Allyl Chloride	1	3.13	UD	0.75	3.13	15.6	ug/m3
123-91-1	1,4-Dioxane	4	14.4	UD	2.56	14.4	18.0	ug/m3
80-62-6	Methyl Methacrylate	1	4.09	UD	0.9	4.09	20.5	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.3			65 - 135		103%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	1385710		5.76				
540-36-3	1,4-Difluorobenzene	3471510		7.29				
3114-55-4	Chlorobenzene-d5	3266290		12.24				

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Report of Analysis

Client:	GFE LLC	Date Collected:	12/04/18
Project:	4125-4149 Laconia Ave Bronx, NY	Date Received:	12/06/18
Client Sample ID:	SV1	SDG No.:	J6262
Lab Sample ID:	J6262-03	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL032948.D	10		12/07/18 23:43	VL120718

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	1	4.94	U	1.09	4.94	24.7	ug/m3
74-87-3	Chloromethane	1	2.07	U	0.45	2.07	10.3	ug/m3
75-01-4	Vinyl Chloride	0.3	0.77	U	0.31	0.77	0.77	ug/m3
74-83-9	Bromomethane	1	3.88	U	1.2	3.88	19.4	ug/m3
75-00-3	Chloroethane	1	2.64	U	1.11	2.64	13.2	ug/m3
109-99-9	Tetrahydrofuran	1	2.95	U	0.35	2.95	14.8	ug/m3
75-69-4	Trichlorofluoromethane	1	5.62	U	1.24	5.62	28.1	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	1	7.66	U	1.69	7.66	38.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	1	6.99	U	0.84	6.99	35.0	ug/m3
593-60-2	Bromoethene	1	4.37	U	1.36	4.37	21.9	ug/m3
75-65-0	tert-Butyl alcohol	1	3.03	U	1.3	3.03	15.2	ug/m3
142-82-5	Heptane	1	4.1	U	0.49	4.1	20.5	ug/m3
75-35-4	1,1-Dichloroethene	1	3.96	U	0.67	3.96	19.8	ug/m3
67-64-1	Acetone	55.4	131		0.57	2.38	11.9	ug/m3
75-15-0	Carbon Disulfide	3.2	9.97	J	0.69	3.11	15.6	ug/m3
1634-04-4	Methyl tert-Butyl Ether	1	3.61	U	0.43	3.61	18.0	ug/m3
75-09-2	Methylene Chloride	1	3.47	U	1.49	3.47	17.4	ug/m3
156-60-5	trans-1,2-Dichloroethene	16.9	67.0		1.23	3.96	19.8	ug/m3
75-34-3	1,1-Dichloroethane	1	4.05	U	0.69	4.05	20.2	ug/m3
110-82-7	Cyclohexane	1	3.44	U	0.76	3.44	17.2	ug/m3
78-93-3	2-Butanone	1.9	5.6	J	0.44	2.95	14.8	ug/m3
56-23-5	Carbon Tetrachloride	0.3	1.89	U	0.75	1.89	1.89	ug/m3
156-59-2	cis-1,2-Dichloroethene	150	594		0.87	3.96	19.8	ug/m3
67-66-3	Chloroform	2.4	11.7	J	0.83	4.88	24.4	ug/m3
71-55-6	1,1,1-Trichloroethane	0.3	1.64	U	0.82	1.64	1.64	ug/m3
540-84-1	2,2,4-Trimethylpentane	1	4.67	U	0.56	4.67	23.4	ug/m3
71-43-2	Benzene	1	3.19	U	0.38	3.19	16.0	ug/m3
107-06-2	1,2-Dichloroethane	1	4.05	U	0.61	4.05	20.2	ug/m3
79-01-6	Trichloroethene	920	4944	E	1.18	1.61	1.61	ug/m3
78-87-5	1,2-Dichloropropane	1	4.62	U	0.79	4.62	23.1	ug/m3
75-27-4	Bromodichloromethane	1	6.7	U	1.34	6.7	33.5	ug/m3
108-10-1	4-Methyl-2-Pentanone	1	4.1	U	1.02	4.1	20.5	ug/m3
108-88-3	Toluene	4.5	17.0	J	0.83	3.77	18.8	ug/m3
10061-02-6	t-1,3-Dichloropropene	1	4.54	U	1.09	4.54	22.7	ug/m3
10061-01-5	cis-1,3-Dichloropropene	1	4.54	U	0.68	4.54	22.7	ug/m3
79-00-5	1,1,2-Trichloroethane	1	5.46	U	0.93	5.46	27.3	ug/m3
124-48-1	Dibromochloromethane	1	8.52	U	1.45	8.52	42.6	ug/m3
106-93-4	1,2-Dibromoethane	1	7.69	U	1.54	7.69	38.4	ug/m3

Report of Analysis

Client:	GFE LLC	Date Collected:	12/04/18
Project:	4125-4149 Laconia Ave Bronx, NY	Date Received:	12/06/18
Client Sample ID:	SV1	SDG No.:	J6262
Lab Sample ID:	J6262-03	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL032948.D	10		12/07/18 23:43	VL120718

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	8200	55605	E	1.22	2.03	2.03	ug/m3
108-90-7	Chlorobenzene	1	4.61	U	0.92	4.61	23.0	ug/m3
100-41-4	Ethyl Benzene	1.5	6.52	J	0.52	4.34	21.7	ug/m3
179601-23-1	m/p-Xylene	5.4	23.5	J	1.69	8.69	43.4	ug/m3
95-47-6	o-Xylene	2.9	12.6	J	1.04	4.34	21.7	ug/m3
100-42-5	Styrene	1	4.26	U	0.64	4.26	21.3	ug/m3
75-25-2	Bromoform	1	10.3	U	1.76	10.3	51.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	1	6.87	U	0.82	6.87	34.3	ug/m3
95-49-8	2-Chlorotoluene	1	5.18	U	0.78	5.18	25.9	ug/m3
108-67-8	1,3,5-Trimethylbenzene	1.4	6.88	J	1.23	4.92	24.6	ug/m3
95-63-6	1,2,4-Trimethylbenzene	3.8	18.7	J	0.74	4.92	24.6	ug/m3
541-73-1	1,3-Dichlorobenzene	1	6.01	U	1.32	6.01	30.1	ug/m3
106-46-7	1,4-Dichlorobenzene	1	6.01	U	1.08	6.01	30.1	ug/m3
95-50-1	1,2-Dichlorobenzene	1	6.01	U	1.08	6.01	30.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	1	7.42	U	2.08	7.42	37.1	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	1	10.7	U	2.56	10.7	53.3	ug/m3
106-99-0	1,3-Butadiene	1	2.21	U	0.66	2.21	11.1	ug/m3
91-20-3	Naphthalene	1	5.24	U	2.04	5.24	26.2	ug/m3
622-96-8	4-Ethyltoluene	1.4	6.88	J	0.88	4.92	24.6	ug/m3
110-54-3	Hexane	7.5	26.4		0.42	3.52	17.6	ug/m3
107-05-1	Allyl Chloride	1	3.13	U	0.75	3.13	15.6	ug/m3
123-91-1	1,4-Dioxane	4	14.4	U	2.56	14.4	18.0	ug/m3
80-62-6	Methyl Methacrylate	1	4.09	U	0.9	4.09	20.5	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	11.3			65 - 135		113%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	1311970		5.76				
540-36-3	1,4-Difluorobenzene	3285910		7.3				
3114-55-4	Chlorobenzene-d5	3148400		12.27				

U = Not Detected

RL = Reporting Limit

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E = Value Exceeds Calibration Range

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Report of Analysis

Client:	GFE LLC	Date Collected:	12/04/18
Project:	4125-4149 Laconia Ave Bronx, NY	Date Received:	12/06/18
Client Sample ID:	SV1DL	SDG No.:	J6262
Lab Sample ID:	J6262-03DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL032976.D	1200		12/12/18 05:02	VL121118

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	120	593	UD	128	593	2966	ug/m3
74-87-3	Chloromethane	120	247	UD	53.7	247	1239	ug/m3
75-01-4	Vinyl Chloride	36	92.0	UD	36.6	92.0	92.0	ug/m3
74-83-9	Bromomethane	120	465	UD	146	465	2329	ug/m3
75-00-3	Chloroethane	120	316	UD	134	316	1583	ug/m3
109-99-9	Tetrahydrofuran	120	353	UD	42.2	353	1769	ug/m3
75-69-4	Trichlorofluoromethane	120	674	UD	146	674	3371	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	120	919	UD	199	919	4598	ug/m3
76-14-2	Dichlorotetrafluoroethane	120	838	UD	100.0	838	4193	ug/m3
593-60-2	Bromoethene	120	524	UD	160	524	2623	ug/m3
75-65-0	tert-Butyl alcohol	120	363	UD	157	363	1818	ug/m3
142-82-5	Heptane	120	491	UD	58.6	491	2458	ug/m3
75-35-4	1,1-Dichloroethene	120	475	UD	80.1	475	2378	ug/m3
67-64-1	Acetone	120	285	UD	67.9	285	1425	ug/m3
75-15-0	Carbon Disulfide	120	373	UD	81.0	373	1868	ug/m3
1634-04-4	Methyl tert-Butyl Ether	120	432	UD	51.6	432	2163	ug/m3
75-09-2	Methylene Chloride	120	416	UD	181	416	2084	ug/m3
156-60-5	trans-1,2-Dichloroethene	120	475	UD	145	475	2378	ug/m3
75-34-3	1,1-Dichloroethane	120	485	UD	81.8	485	2428	ug/m3
110-82-7	Cyclohexane	120	413	UD	89.5	413	2065	ug/m3
78-93-3	2-Butanone	120	353	UD	54.3	353	1769	ug/m3
56-23-5	Carbon Tetrachloride	36	226	UD	90.0	226	226	ug/m3
156-59-2	cis-1,2-Dichloroethene	120	475	UD	103	475	2378	ug/m3
67-66-3	Chloroform	120	586	UD	98.6	586	2930	ug/m3
71-55-6	1,1,1-Trichloroethane	36	196	UD	100	196	196	ug/m3
540-84-1	2,2,4-Trimethylpentane	120	560	UD	66.8	560	2802	ug/m3
71-43-2	Benzene	120	383	UD	45.7	383	1916	ug/m3
107-06-2	1,2-Dichloroethane	120	485	UD	74.5	485	2428	ug/m3
79-01-6	Trichloroethene	1100	5911	D	139	193	193	ug/m3
78-87-5	1,2-Dichloropropane	120	554	UD	93.4	554	2773	ug/m3
75-27-4	Bromodichloromethane	120	803	UD	160	803	4019	ug/m3
108-10-1	4-Methyl-2-Pentanone	120	491	UD	121	491	2458	ug/m3
108-88-3	Toluene	120	452	UD	98.0	452	2261	ug/m3
10061-02-6	t-1,3-Dichloropropene	120	544	UD	129	544	2723	ug/m3
10061-01-5	cis-1,3-Dichloropropene	120	544	UD	83.5	544	2723	ug/m3
79-00-5	1,1,2-Trichloroethane	120	654	UD	110	654	3273	ug/m3
124-48-1	Dibromochloromethane	120	1022	UD	172	1022	5111	ug/m3
106-93-4	1,2-Dibromoethane	120	922	UD	184	922	4611	ug/m3

Report of Analysis

Client:	GFE LLC	Date Collected:	12/04/18
Project:	4125-4149 Laconia Ave Bronx, NY	Date Received:	12/06/18
Client Sample ID:	SV1DL	SDG No.:	J6262
Lab Sample ID:	J6262-03DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL032976.D	1200		12/12/18 05:02	VL121118

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	44700	303119	ED	147	244	244	ug/m3
108-90-7	Chlorobenzene	120	552	UD	110	552	2763	ug/m3
100-41-4	Ethyl Benzene	120	521	UD	62.1	521	2606	ug/m3
179601-23-1	m/p-Xylene	240	1042	UD	205	1042	5212	ug/m3
95-47-6	o-Xylene	120	521	UD	124	521	2606	ug/m3
100-42-5	Styrene	120	510	UD	78.3	510	2554	ug/m3
75-25-2	Bromoform	120	1240	UD	208	1240	6203	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	120	824	UD	98.2	824	4120	ug/m3
95-49-8	2-Chlorotoluene	120	621	UD	95.3	621	3106	ug/m3
108-67-8	1,3,5-Trimethylbenzene	120	589	UD	145	589	2949	ug/m3
95-63-6	1,2,4-Trimethylbenzene	120	589	UD	90.5	589	2949	ug/m3
541-73-1	1,3-Dichlorobenzene	120	721	UD	156	721	3607	ug/m3
106-46-7	1,4-Dichlorobenzene	120	721	UD	130	721	3607	ug/m3
95-50-1	1,2-Dichlorobenzene	120	721	UD	130	721	3607	ug/m3
120-82-1	1,2,4-Trichlorobenzene	120	890	UD	252	890	4453	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	120	1280	UD	305	1280	6400	ug/m3
106-99-0	1,3-Butadiene	120	265	UD	79.4	265	1327	ug/m3
91-20-3	Naphthalene	120	629	UD	247	629	3145	ug/m3
622-96-8	4-Ethyltoluene	120	589	UD	106	589	2949	ug/m3
110-54-3	Hexane	120	422	UD	50.4	422	2114	ug/m3
107-05-1	Allyl Chloride	120	375	UD	89.5	375	1878	ug/m3
123-91-1	1,4-Dioxane	480	1729	UD	308	1729	2162	ug/m3
80-62-6	Methyl Methacrylate	120	491	UD	106	491	2456	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.7			65 - 135		107%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	966649		5.77				
540-36-3	1,4-Difluorobenzene	2448650		7.29				
3114-55-4	Chlorobenzene-d5	2347040		12.25				

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Report of Analysis

Client:	GFE LLC	Date Collected:	12/04/18
Project:	4125-4149 Laconia Ave Bronx, NY	Date Received:	12/06/18
Client Sample ID:	SV2	SDG No.:	J6262
Lab Sample ID:	J6262-04	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL032946.D	10		12/07/18 22:27	VL120718

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	3.9	19.3	J	1.09	4.94	24.7	ug/m3
74-87-3	Chloromethane	1.5	3.1	J	0.45	2.07	10.3	ug/m3
75-01-4	Vinyl Chloride	3.7	9.46		0.31	0.77	0.77	ug/m3
74-83-9	Bromomethane	1	3.88	U	1.2	3.88	19.4	ug/m3
75-00-3	Chloroethane	1	2.64	U	1.11	2.64	13.2	ug/m3
109-99-9	Tetrahydrofuran	1	2.95	U	0.35	2.95	14.8	ug/m3
75-69-4	Trichlorofluoromethane	1	5.62	U	1.24	5.62	28.1	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	1	7.66	U	1.69	7.66	38.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	1	6.99	U	0.84	6.99	35.0	ug/m3
593-60-2	Bromoethene	1	4.37	U	1.36	4.37	21.9	ug/m3
75-65-0	tert-Butyl alcohol	1	3.03	U	1.3	3.03	15.2	ug/m3
142-82-5	Heptane	1	4.1	U	0.49	4.1	20.5	ug/m3
75-35-4	1,1-Dichloroethene	1.7	6.74	J	0.67	3.96	19.8	ug/m3
67-64-1	Acetone	18	42.8		0.57	2.38	11.9	ug/m3
75-15-0	Carbon Disulfide	4.1	12.8	J	0.69	3.11	15.6	ug/m3
1634-04-4	Methyl tert-Butyl Ether	4.6	16.6	J	0.43	3.61	18.0	ug/m3
75-09-2	Methylene Chloride	1	3.47	U	1.49	3.47	17.4	ug/m3
156-60-5	trans-1,2-Dichloroethene	100	396		1.23	3.96	19.8	ug/m3
75-34-3	1,1-Dichloroethane	1	4.05	U	0.69	4.05	20.2	ug/m3
110-82-7	Cyclohexane	1	3.44	U	0.76	3.44	17.2	ug/m3
78-93-3	2-Butanone	1	2.95	U	0.44	2.95	14.8	ug/m3
56-23-5	Carbon Tetrachloride	0.3	1.89	U	0.75	1.89	1.89	ug/m3
156-59-2	cis-1,2-Dichloroethene	130	515		0.87	3.96	19.8	ug/m3
67-66-3	Chloroform	11.6	56.6		0.83	4.88	24.4	ug/m3
71-55-6	1,1,1-Trichloroethane	0.3	1.64	U	0.82	1.64	1.64	ug/m3
540-84-1	2,2,4-Trimethylpentane	1	4.67	U	0.56	4.67	23.4	ug/m3
71-43-2	Benzene	1.2	3.83	J	0.38	3.19	16.0	ug/m3
107-06-2	1,2-Dichloroethane	1	4.05	U	0.61	4.05	20.2	ug/m3
79-01-6	Trichloroethene	710	3815	E	1.18	1.61	1.61	ug/m3
78-87-5	1,2-Dichloropropane	1	4.62	U	0.79	4.62	23.1	ug/m3
75-27-4	Bromodichloromethane	1	6.7	U	1.34	6.7	33.5	ug/m3
108-10-1	4-Methyl-2-Pentanone	1	4.1	U	1.02	4.1	20.5	ug/m3
108-88-3	Toluene	2.9	10.9	J	0.83	3.77	18.8	ug/m3
10061-02-6	t-1,3-Dichloropropene	1	4.54	U	1.09	4.54	22.7	ug/m3
10061-01-5	cis-1,3-Dichloropropene	1	4.54	U	0.68	4.54	22.7	ug/m3
79-00-5	1,1,2-Trichloroethane	1	5.46	U	0.93	5.46	27.3	ug/m3
124-48-1	Dibromochloromethane	1	8.52	U	1.45	8.52	42.6	ug/m3
106-93-4	1,2-Dibromoethane	1	7.69	U	1.54	7.69	38.4	ug/m3

Report of Analysis

Client:	GFE LLC	Date Collected:	12/04/18
Project:	4125-4149 Laconia Ave Bronx, NY	Date Received:	12/06/18
Client Sample ID:	SV2	SDG No.:	J6262
Lab Sample ID:	J6262-04	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL032946.D	10		12/07/18 22:27	VL120718

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	2600	17631	E	1.22	2.03	2.03	ug/m3
108-90-7	Chlorobenzene	1	4.61	U	0.92	4.61	23.0	ug/m3
100-41-4	Ethyl Benzene	1	4.34	U	0.52	4.34	21.7	ug/m3
179601-23-1	m/p-Xylene	6	26.1	J	1.69	8.69	43.4	ug/m3
95-47-6	o-Xylene	3	13.0	J	1.04	4.34	21.7	ug/m3
100-42-5	Styrene	1	4.26	U	0.64	4.26	21.3	ug/m3
75-25-2	Bromoform	1	10.3	U	1.76	10.3	51.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	1	6.87	U	0.82	6.87	34.3	ug/m3
95-49-8	2-Chlorotoluene	1	5.18	U	0.78	5.18	25.9	ug/m3
108-67-8	1,3,5-Trimethylbenzene	1.6	7.87	J	1.23	4.92	24.6	ug/m3
95-63-6	1,2,4-Trimethylbenzene	5.2	25.6		0.74	4.92	24.6	ug/m3
541-73-1	1,3-Dichlorobenzene	1	6.01	U	1.32	6.01	30.1	ug/m3
106-46-7	1,4-Dichlorobenzene	1	6.01	U	1.08	6.01	30.1	ug/m3
95-50-1	1,2-Dichlorobenzene	1	6.01	U	1.08	6.01	30.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	1	7.42	U	2.08	7.42	37.1	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	1	10.7	U	2.56	10.7	53.3	ug/m3
106-99-0	1,3-Butadiene	1	2.21	U	0.66	2.21	11.1	ug/m3
91-20-3	Naphthalene	1	5.24	U	2.04	5.24	26.2	ug/m3
622-96-8	4-Ethyltoluene	1.5	7.37	J	0.88	4.92	24.6	ug/m3
110-54-3	Hexane	4.2	14.8	J	0.42	3.52	17.6	ug/m3
107-05-1	Allyl Chloride	1	3.13	U	0.75	3.13	15.6	ug/m3
123-91-1	1,4-Dioxane	4	14.4	U	2.56	14.4	18.0	ug/m3
80-62-6	Methyl Methacrylate	1	4.09	U	0.9	4.09	20.5	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	11.4			65 - 135		114%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	1236650		5.76				
540-36-3	1,4-Difluorobenzene	3032410		7.3				
3114-55-4	Chlorobenzene-d5	3025510		12.25				

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Report of Analysis

Client:	GFE LLC	Date Collected:	12/04/18
Project:	4125-4149 Laconia Ave Bronx, NY	Date Received:	12/06/18
Client Sample ID:	SV2DL	SDG No.:	J6262
Lab Sample ID:	J6262-04DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL032974.D	400		12/12/18 03:48	VL121118

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	40	197	UD	43.0	197	988	ug/m3
74-87-3	Chloromethane	40	82.6	UD	18.0	82.6	413	ug/m3
75-01-4	Vinyl Chloride	12	30.7	UD	12.3	30.7	30.7	ug/m3
74-83-9	Bromomethane	40	155	UD	48.9	155	776	ug/m3
75-00-3	Chloroethane	40	105	UD	44.6	105	527	ug/m3
109-99-9	Tetrahydrofuran	40	117	UD	14.2	117	589	ug/m3
75-69-4	Trichlorofluoromethane	40	224	UD	48.9	224	1123	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	40	306	UD	66.7	306	1532	ug/m3
76-14-2	Dichlorotetrafluoroethane	40	279	UD	33.6	279	1397	ug/m3
593-60-2	Bromoethene	40	174	UD	53.8	174	874	ug/m3
75-65-0	tert-Butyl alcohol	40	121	UD	52.8	121	606	ug/m3
142-82-5	Heptane	40	163	UD	19.7	163	819	ug/m3
75-35-4	1,1-Dichloroethene	40	158	UD	26.6	158	792	ug/m3
67-64-1	Acetone	40	95.0	UD	22.6	95.0	475	ug/m3
75-15-0	Carbon Disulfide	40	124	UD	27.1	124	622	ug/m3
1634-04-4	Methyl tert-Butyl Ether	40	144	UD	17.3	144	721	ug/m3
75-09-2	Methylene Chloride	40	138	UD	60.4	138	694	ug/m3
156-60-5	trans-1,2-Dichloroethene	92.8	367	JD	48.8	158	792	ug/m3
75-34-3	1,1-Dichloroethane	40	161	UD	27.1	161	809	ug/m3
110-82-7	Cyclohexane	40	137	UD	30.0	137	688	ug/m3
78-93-3	2-Butanone	40	117	UD	18.0	117	589	ug/m3
56-23-5	Carbon Tetrachloride	12	75.5	UD	30.2	75.5	75.5	ug/m3
156-59-2	cis-1,2-Dichloroethene	110	436	JD	34.5	158	792	ug/m3
67-66-3	Chloroform	40	195	UD	32.7	195	976	ug/m3
71-55-6	1,1,1-Trichloroethane	12	65.5	UD	33.3	65.5	65.5	ug/m3
540-84-1	2,2,4-Trimethylpentane	40	186	UD	22.4	186	934	ug/m3
71-43-2	Benzene	40	127	UD	15.3	127	638	ug/m3
107-06-2	1,2-Dichloroethane	40	161	UD	24.7	161	809	ug/m3
79-01-6	Trichloroethene	630	3385	D	46.8	64.5	64.5	ug/m3
78-87-5	1,2-Dichloropropane	40	184	UD	31.0	184	924	ug/m3
75-27-4	Bromodichloromethane	40	267	UD	53.6	267	1339	ug/m3
108-10-1	4-Methyl-2-Pentanone	40	163	UD	40.6	163	819	ug/m3
108-88-3	Toluene	40	150	UD	32.8	150	753	ug/m3
10061-02-6	t-1,3-Dichloropropene	40	181	UD	43.1	181	907	ug/m3
10061-01-5	cis-1,3-Dichloropropene	40	181	UD	27.7	181	907	ug/m3
79-00-5	1,1,2-Trichloroethane	40	218	UD	36.6	218	1091	ug/m3
124-48-1	Dibromochloromethane	40	340	UD	57.1	340	1703	ug/m3
106-93-4	1,2-Dibromoethane	40	307	UD	61.5	307	1537	ug/m3

Report of Analysis

Client:	GFE LLC	Date Collected:	12/04/18
Project:	4125-4149 Laconia Ave Bronx, NY	Date Received:	12/06/18
Client Sample ID:	SV2DL	SDG No.:	J6262
Lab Sample ID:	J6262-04DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL032974.D	400		12/12/18 03:48	VL121118

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	4200	28480	D	48.8	81.4	81.4	ug/m3
108-90-7	Chlorobenzene	40	184	UD	36.8	184	921	ug/m3
100-41-4	Ethyl Benzene	40	173	UD	20.8	173	868	ug/m3
179601-23-1	m/p-Xylene	80	347	UD	68.6	347	1737	ug/m3
95-47-6	o-Xylene	40	173	UD	41.3	173	868	ug/m3
100-42-5	Styrene	40	170	UD	26.0	170	851	ug/m3
75-25-2	Bromoform	40	413	UD	69.3	413	2067	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	40	274	UD	33.0	274	1373	ug/m3
95-49-8	2-Chlorotoluene	40	207	UD	31.6	207	1035	ug/m3
108-67-8	1,3,5-Trimethylbenzene	40	196	UD	48.7	196	983	ug/m3
95-63-6	1,2,4-Trimethylbenzene	40	196	UD	30.0	196	983	ug/m3
541-73-1	1,3-Dichlorobenzene	40	240	UD	52.3	240	1202	ug/m3
106-46-7	1,4-Dichlorobenzene	40	240	UD	43.3	240	1202	ug/m3
95-50-1	1,2-Dichlorobenzene	40	240	UD	43.3	240	1202	ug/m3
120-82-1	1,2,4-Trichlorobenzene	40	296	UD	83.9	296	1484	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	40	426	UD	101	426	2133	ug/m3
106-99-0	1,3-Butadiene	40	88.5	UD	26.6	88.5	442	ug/m3
91-20-3	Naphthalene	40	209	UD	82.8	209	1048	ug/m3
622-96-8	4-Ethyltoluene	40	196	UD	35.4	196	983	ug/m3
110-54-3	Hexane	40	140	UD	16.9	140	704	ug/m3
107-05-1	Allyl Chloride	40	125	UD	29.7	125	626	ug/m3
123-91-1	1,4-Dioxane	160	576	UD	102	576	720	ug/m3
80-62-6	Methyl Methacrylate	40	163	UD	35.6	163	818	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	9.3			65 - 135		93%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	1216470		5.77				
540-36-3	1,4-Difluorobenzene	2951920		7.29				
3114-55-4	Chlorobenzene-d5	2949720		12.25				

U = Not Detected

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N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Report of Analysis

Client:	GFE LLC	Date Collected:	12/04/18
Project:	4125-4149 Laconia Ave Bronx, NY	Date Received:	12/06/18
Client Sample ID:	IA3	SDG No.:	J6262
Lab Sample ID:	J6262-05	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL032939.D	1		12/07/18 17:53	VL120718

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	0.21	1.04	J	0.1	0.49	2.47	ug/m3
74-87-3	Chloromethane	0.67	1.38		0.04	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.03	0.08	U	0.03	0.08	0.08	ug/m3
74-83-9	Bromomethane	0.1	0.39	U	0.12	0.39	1.94	ug/m3
75-00-3	Chloroethane	0.1	0.26	U	0.11	0.26	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.1	0.29	U	0.03	0.29	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.3	1.69	J	0.11	0.56	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.1	0.77	U	0.15	0.77	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.1	0.7	U	0.07	0.7	3.49	ug/m3
593-60-2	Bromoethene	0.1	0.44	U	0.13	0.44	2.19	ug/m3
75-65-0	tert-Butyl alcohol	0.1	0.3	U	0.12	0.3	1.52	ug/m3
142-82-5	Heptane	0.28	1.15	J	0.04	0.41	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.1	0.4	U	0.08	0.4	1.98	ug/m3
67-64-1	Acetone	19.1	45.4	E	0.05	0.24	1.19	ug/m3
75-15-0	Carbon Disulfide	0.1	0.31	U	0.06	0.31	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.1	0.36	U	0.04	0.36	1.8	ug/m3
75-09-2	Methylene Chloride	1.7	5.91		0.14	0.35	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.1	0.4	U	0.12	0.4	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.1	0.4	U	0.08	0.4	2.02	ug/m3
110-82-7	Cyclohexane	0.1	0.34	U	0.07	0.34	1.72	ug/m3
78-93-3	2-Butanone	0.94	2.77		0.06	0.29	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.08	0.5		0.06	0.19	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.1	0.4	U	0.08	0.4	1.98	ug/m3
67-66-3	Chloroform	0.41	2	J	0.1	0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.03	0.16	U	0.11	0.16	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.33	1.54	J	0.05	0.47	2.34	ug/m3
71-43-2	Benzene	2.2	7.03		0.03	0.32	1.6	ug/m3
107-06-2	1,2-Dichloroethane	0.1	0.4	U	0.08	0.4	2.02	ug/m3
79-01-6	Trichloroethene	0.29	1.56		0.11	0.16	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.1	0.46	U	0.09	0.46	2.31	ug/m3
75-27-4	Bromodichloromethane	0.1	0.67	U	0.13	0.67	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.1	0.41	U	0.08	0.41	2.05	ug/m3
108-88-3	Toluene	3.6	13.6		0.08	0.38	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.1	0.45	U	0.09	0.45	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.1	0.45	U	0.09	0.45	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.1	0.55	U	0.11	0.55	2.73	ug/m3
124-48-1	Dibromochloromethane	0.1	0.85	U	0.17	0.85	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.1	0.77	U	0.15	0.77	3.84	ug/m3

Report of Analysis

Client:	GFE LLC	Date Collected:	12/04/18
Project:	4125-4149 Laconia Ave Bronx, NY	Date Received:	12/06/18
Client Sample ID:	IA3	SDG No.:	J6262
Lab Sample ID:	J6262-05	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL032939.D	1		12/07/18 17:53	VL120718

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	1.4	9.49		0.14	0.2	0.2	ug/m3
108-90-7	Chlorobenzene	0.1	0.46	U	0.09	0.46	2.3	ug/m3
100-41-4	Ethyl Benzene	0.18	0.78	J	0.04	0.43	2.17	ug/m3
179601-23-1	m/p-Xylene	0.65	2.82	J	0.17	0.87	4.34	ug/m3
95-47-6	o-Xylene	0.22	0.96	J	0.09	0.43	2.17	ug/m3
100-42-5	Styrene	0.16	0.68	J	0.09	0.43	2.13	ug/m3
75-25-2	Bromoform	0.1	1.03	U	0.21	1.03	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.1	0.69	U	0.07	0.69	3.43	ug/m3
95-49-8	2-Chlorotoluene	0.1	0.52	U	0.1	0.52	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.11	0.54	J	0.1	0.49	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.32	1.57	J	0.1	0.49	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.1	0.6	U	0.12	0.6	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.26	1.56	J	0.12	0.6	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.1	0.6	U	0.12	0.6	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.1	0.74	U	0.22	0.74	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.1	1.07	U	0.21	1.07	5.33	ug/m3
106-99-0	1,3-Butadiene	0.1	0.22	U	0.07	0.22	1.11	ug/m3
91-20-3	Naphthalene	0.25	1.31	J	0.21	0.52	2.62	ug/m3
622-96-8	4-Ethyltoluene	0.1	0.49	J	0.1	0.49	2.46	ug/m3
110-54-3	Hexane	2.5	8.81		0.04	0.35	1.76	ug/m3
107-05-1	Allyl Chloride	0.1	0.31	U	0.06	0.31	1.57	ug/m3
123-91-1	1,4-Dioxane	0.4	1.44	U	0.25	1.44	1.8	ug/m3
80-62-6	Methyl Methacrylate	0.1	0.41	U	0.08	0.41	2.05	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	11.1			65 - 135		111%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	1254180		5.76				
540-36-3	1,4-Difluorobenzene	3277560		7.3				
3114-55-4	Chlorobenzene-d5	3122340		12.24				

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

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N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Report of Analysis

Client:	GFE LLC	Date Collected:	12/04/18
Project:	4125-4149 Laconia Ave Bronx, NY	Date Received:	12/06/18
Client Sample ID:	IA3DL	SDG No.:	J6262
Lab Sample ID:	J6262-05DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL032940.D	10		12/07/18 18:32	VL120718

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	1	4.94	UD	1.09	4.94	24.7	ug/m3
74-87-3	Chloromethane	1	2.07	UD	0.45	2.07	10.3	ug/m3
75-01-4	Vinyl Chloride	0.3	0.77	UD	0.31	0.77	0.77	ug/m3
74-83-9	Bromomethane	1	3.88	UD	1.2	3.88	19.4	ug/m3
75-00-3	Chloroethane	1	2.64	UD	1.11	2.64	13.2	ug/m3
109-99-9	Tetrahydrofuran	1	2.95	UD	0.35	2.95	14.8	ug/m3
75-69-4	Trichlorofluoromethane	1	5.62	UD	1.24	5.62	28.1	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	1	7.66	UD	1.69	7.66	38.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	1	6.99	UD	0.84	6.99	35.0	ug/m3
593-60-2	Bromoethene	1	4.37	UD	1.36	4.37	21.9	ug/m3
75-65-0	tert-Butyl alcohol	1	3.03	UD	1.3	3.03	15.2	ug/m3
142-82-5	Heptane	1	4.1	UD	0.49	4.1	20.5	ug/m3
75-35-4	1,1-Dichloroethene	1	3.96	UD	0.67	3.96	19.8	ug/m3
67-64-1	Acetone	20.1	47.8	D	0.57	2.38	11.9	ug/m3
75-15-0	Carbon Disulfide	1	3.11	UD	0.69	3.11	15.6	ug/m3
1634-04-4	Methyl tert-Butyl Ether	1	3.61	UD	0.43	3.61	18.0	ug/m3
75-09-2	Methylene Chloride	1	3.47	UD	1.49	3.47	17.4	ug/m3
156-60-5	trans-1,2-Dichloroethene	1	3.96	UD	1.23	3.96	19.8	ug/m3
75-34-3	1,1-Dichloroethane	1	4.05	UD	0.69	4.05	20.2	ug/m3
110-82-7	Cyclohexane	1	3.44	UD	0.76	3.44	17.2	ug/m3
78-93-3	2-Butanone	1	2.95	UD	0.44	2.95	14.8	ug/m3
56-23-5	Carbon Tetrachloride	0.3	1.89	UD	0.75	1.89	1.89	ug/m3
156-59-2	cis-1,2-Dichloroethene	1	3.96	UD	0.87	3.96	19.8	ug/m3
67-66-3	Chloroform	1	4.88	UD	0.83	4.88	24.4	ug/m3
71-55-6	1,1,1-Trichloroethane	0.3	1.64	UD	0.82	1.64	1.64	ug/m3
540-84-1	2,2,4-Trimethylpentane	1	4.67	UD	0.56	4.67	23.4	ug/m3
71-43-2	Benzene	1.8	5.75	JD	0.38	3.19	16.0	ug/m3
107-06-2	1,2-Dichloroethane	1	4.05	UD	0.61	4.05	20.2	ug/m3
79-01-6	Trichloroethene	0.3	1.61	UD	1.18	1.61	1.61	ug/m3
78-87-5	1,2-Dichloropropane	1	4.62	UD	0.79	4.62	23.1	ug/m3
75-27-4	Bromodichloromethane	1	6.7	UD	1.34	6.7	33.5	ug/m3
108-10-1	4-Methyl-2-Pentanone	1	4.1	UD	1.02	4.1	20.5	ug/m3
108-88-3	Toluene	1	3.77	UD	0.83	3.77	18.8	ug/m3
10061-02-6	t-1,3-Dichloropropene	1	4.54	UD	1.09	4.54	22.7	ug/m3
10061-01-5	cis-1,3-Dichloropropene	1	4.54	UD	0.68	4.54	22.7	ug/m3
79-00-5	1,1,2-Trichloroethane	1	5.46	UD	0.93	5.46	27.3	ug/m3
124-48-1	Dibromochloromethane	1	8.52	UD	1.45	8.52	42.6	ug/m3
106-93-4	1,2-Dibromoethane	1	7.69	UD	1.54	7.69	38.4	ug/m3

Report of Analysis

Client:	GFE LLC	Date Collected:	12/04/18
Project:	4125-4149 Laconia Ave Bronx, NY	Date Received:	12/06/18
Client Sample ID:	IA3DL	SDG No.:	J6262
Lab Sample ID:	J6262-05DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL032940.D	10		12/07/18 18:32	VL120718

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	1.1	7.46	D	1.22	2.03	2.03	ug/m3
108-90-7	Chlorobenzene	1	4.61	UD	0.92	4.61	23.0	ug/m3
100-41-4	Ethyl Benzene	1	4.34	UD	0.52	4.34	21.7	ug/m3
179601-23-1	m/p-Xylene	2	8.69	UD	1.69	8.69	43.4	ug/m3
95-47-6	o-Xylene	1	4.34	UD	1.04	4.34	21.7	ug/m3
100-42-5	Styrene	1	4.26	UD	0.64	4.26	21.3	ug/m3
75-25-2	Bromoform	1	10.3	UD	1.76	10.3	51.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	1	6.87	UD	0.82	6.87	34.3	ug/m3
95-49-8	2-Chlorotoluene	1	5.18	UD	0.78	5.18	25.9	ug/m3
108-67-8	1,3,5-Trimethylbenzene	1	4.92	UD	1.23	4.92	24.6	ug/m3
95-63-6	1,2,4-Trimethylbenzene	1	4.92	UD	0.74	4.92	24.6	ug/m3
541-73-1	1,3-Dichlorobenzene	1	6.01	UD	1.32	6.01	30.1	ug/m3
106-46-7	1,4-Dichlorobenzene	1	6.01	UD	1.08	6.01	30.1	ug/m3
95-50-1	1,2-Dichlorobenzene	1	6.01	UD	1.08	6.01	30.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	1	7.42	UD	2.08	7.42	37.1	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	1	10.7	UD	2.56	10.7	53.3	ug/m3
106-99-0	1,3-Butadiene	1	2.21	UD	0.66	2.21	11.1	ug/m3
91-20-3	Naphthalene	1	5.24	UD	2.04	5.24	26.2	ug/m3
622-96-8	4-Ethyltoluene	1	4.92	UD	0.88	4.92	24.6	ug/m3
110-54-3	Hexane	2.9	10.2	JD	0.42	3.52	17.6	ug/m3
107-05-1	Allyl Chloride	1	3.13	UD	0.75	3.13	15.6	ug/m3
123-91-1	1,4-Dioxane	4	14.4	UD	2.56	14.4	18.0	ug/m3
80-62-6	Methyl Methacrylate	1	4.09	UD	0.9	4.09	20.5	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.4			65 - 135		104%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	1337960		5.76				
540-36-3	1,4-Difluorobenzene	3378120		7.29				
3114-55-4	Chlorobenzene-d5	3170380		12.24				

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Report of Analysis

Client:	GFE LLC	Date Collected:	12/04/18
Project:	4125-4149 Laconia Ave Bronx, NY	Date Received:	12/06/18
Client Sample ID:	IA4	SDG No.:	J6262
Lab Sample ID:	J6262-06	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL032941.D	1		12/07/18 19:13	VL120718

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	0.2	0.99	J	0.1	0.49	2.47	ug/m3
74-87-3	Chloromethane	0.59	1.22		0.04	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.03	0.08	U	0.03	0.08	0.08	ug/m3
74-83-9	Bromomethane	0.1	0.39	U	0.12	0.39	1.94	ug/m3
75-00-3	Chloroethane	0.1	0.26	U	0.11	0.26	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.72	2.12		0.03	0.29	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.25	1.4	J	0.11	0.56	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.1	0.77	U	0.15	0.77	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.1	0.7	U	0.07	0.7	3.49	ug/m3
593-60-2	Bromoethene	0.1	0.44	U	0.13	0.44	2.19	ug/m3
75-65-0	tert-Butyl alcohol	0.1	0.3	U	0.12	0.3	1.52	ug/m3
142-82-5	Heptane	0.3	1.23	J	0.04	0.41	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.1	0.4	U	0.08	0.4	1.98	ug/m3
67-64-1	Acetone	94.4	224	E	0.05	0.24	1.19	ug/m3
75-15-0	Carbon Disulfide	0.1	0.31	U	0.06	0.31	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.1	0.36	U	0.04	0.36	1.8	ug/m3
75-09-2	Methylene Chloride	5.2	18.1		0.14	0.35	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.1	0.4	U	0.12	0.4	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.1	0.4	U	0.08	0.4	2.02	ug/m3
110-82-7	Cyclohexane	0.1	0.34	U	0.07	0.34	1.72	ug/m3
78-93-3	2-Butanone	1.4	4.13		0.06	0.29	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.07	0.44		0.06	0.19	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.13	0.52	J	0.08	0.4	1.98	ug/m3
67-66-3	Chloroform	0.34	1.66	J	0.1	0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.03	0.16	U	0.11	0.16	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.24	1.12	J	0.05	0.47	2.34	ug/m3
71-43-2	Benzene	0.49	1.57	J	0.03	0.32	1.6	ug/m3
107-06-2	1,2-Dichloroethane	0.1	0.4	U	0.08	0.4	2.02	ug/m3
79-01-6	Trichloroethene	0.3	1.61		0.11	0.16	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.1	0.46	U	0.09	0.46	2.31	ug/m3
75-27-4	Bromodichloromethane	0.1	0.67	U	0.13	0.67	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.1	0.41	U	0.08	0.41	2.05	ug/m3
108-88-3	Toluene	6.5	24.5		0.08	0.38	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.1	0.45	U	0.09	0.45	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.1	0.45	U	0.09	0.45	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.1	0.55	U	0.11	0.55	2.73	ug/m3
124-48-1	Dibromochloromethane	0.1	0.85	U	0.17	0.85	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.1	0.77	U	0.15	0.77	3.84	ug/m3

Report of Analysis

Client:	GFE LLC	Date Collected:	12/04/18
Project:	4125-4149 Laconia Ave Bronx, NY	Date Received:	12/06/18
Client Sample ID:	IA4	SDG No.:	J6262
Lab Sample ID:	J6262-06	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL032941.D	1		12/07/18 19:13	VL120718

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	2.3	15.6		0.14	0.2	0.2	ug/m3
108-90-7	Chlorobenzene	0.1	0.46	U	0.09	0.46	2.3	ug/m3
100-41-4	Ethyl Benzene	0.16	0.69	J	0.04	0.43	2.17	ug/m3
179601-23-1	m/p-Xylene	0.63	2.74	J	0.17	0.87	4.34	ug/m3
95-47-6	o-Xylene	0.19	0.83	J	0.09	0.43	2.17	ug/m3
100-42-5	Styrene	0.1	0.43	U	0.09	0.43	2.13	ug/m3
75-25-2	Bromoform	0.1	1.03	U	0.21	1.03	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.1	0.69	U	0.07	0.69	3.43	ug/m3
95-49-8	2-Chlorotoluene	0.1	0.52	U	0.1	0.52	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	J	0.1	0.49	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.69	3.39		0.1	0.49	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.1	0.6	U	0.12	0.6	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.1	0.6	J	0.12	0.6	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.1	0.6	U	0.12	0.6	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.1	0.74	U	0.22	0.74	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.1	1.07	U	0.21	1.07	5.33	ug/m3
106-99-0	1,3-Butadiene	0.1	0.22	U	0.07	0.22	1.11	ug/m3
91-20-3	Naphthalene	0.16	0.84	J	0.21	0.52	2.62	ug/m3
622-96-8	4-Ethyltoluene	0.2	0.98	J	0.1	0.49	2.46	ug/m3
110-54-3	Hexane	4.6	16.2		0.04	0.35	1.76	ug/m3
107-05-1	Allyl Chloride	0.1	0.31	U	0.06	0.31	1.57	ug/m3
123-91-1	1,4-Dioxane	0.4	1.44	U	0.25	1.44	1.8	ug/m3
80-62-6	Methyl Methacrylate	80.3	328	E	0.08	0.41	2.05	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	11			65 - 135		110%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	1273070		5.77				
540-36-3	1,4-Difluorobenzene	3246410		7.3				
3114-55-4	Chlorobenzene-d5	3126470		12.24				

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Report of Analysis

Client:	GFE LLC	Date Collected:	12/04/18
Project:	4125-4149 Laconia Ave Bronx, NY	Date Received:	12/06/18
Client Sample ID:	IA4DL	SDG No.:	J6262
Lab Sample ID:	J6262-06DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL032942.D	10		12/07/18 19:51	VL120718

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	1	4.94	UD	1.09	4.94	24.7	ug/m3
74-87-3	Chloromethane	1	2.07	UD	0.45	2.07	10.3	ug/m3
75-01-4	Vinyl Chloride	0.3	0.77	UD	0.31	0.77	0.77	ug/m3
74-83-9	Bromomethane	1	3.88	UD	1.2	3.88	19.4	ug/m3
75-00-3	Chloroethane	1	2.64	UD	1.11	2.64	13.2	ug/m3
109-99-9	Tetrahydrofuran	1	2.95	UD	0.35	2.95	14.8	ug/m3
75-69-4	Trichlorofluoromethane	1	5.62	UD	1.24	5.62	28.1	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	1	7.66	UD	1.69	7.66	38.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	1	6.99	UD	0.84	6.99	35.0	ug/m3
593-60-2	Bromoethene	1	4.37	UD	1.36	4.37	21.9	ug/m3
75-65-0	tert-Butyl alcohol	1	3.03	UD	1.3	3.03	15.2	ug/m3
142-82-5	Heptane	1	4.1	UD	0.49	4.1	20.5	ug/m3
75-35-4	1,1-Dichloroethene	1	3.96	UD	0.67	3.96	19.8	ug/m3
67-64-1	Acetone	120	285	D	0.57	2.38	11.9	ug/m3
75-15-0	Carbon Disulfide	1	3.11	UD	0.69	3.11	15.6	ug/m3
1634-04-4	Methyl tert-Butyl Ether	1	3.61	UD	0.43	3.61	18.0	ug/m3
75-09-2	Methylene Chloride	1	3.47	UD	1.49	3.47	17.4	ug/m3
156-60-5	trans-1,2-Dichloroethene	1	3.96	UD	1.23	3.96	19.8	ug/m3
75-34-3	1,1-Dichloroethane	1	4.05	UD	0.69	4.05	20.2	ug/m3
110-82-7	Cyclohexane	1	3.44	UD	0.76	3.44	17.2	ug/m3
78-93-3	2-Butanone	1.4	4.13	JD	0.44	2.95	14.8	ug/m3
56-23-5	Carbon Tetrachloride	0.3	1.89	UD	0.75	1.89	1.89	ug/m3
156-59-2	cis-1,2-Dichloroethene	1	3.96	UD	0.87	3.96	19.8	ug/m3
67-66-3	Chloroform	1	4.88	UD	0.83	4.88	24.4	ug/m3
71-55-6	1,1,1-Trichloroethane	0.3	1.64	UD	0.82	1.64	1.64	ug/m3
540-84-1	2,2,4-Trimethylpentane	1	4.67	UD	0.56	4.67	23.4	ug/m3
71-43-2	Benzene	1	3.19	UD	0.38	3.19	16.0	ug/m3
107-06-2	1,2-Dichloroethane	1	4.05	UD	0.61	4.05	20.2	ug/m3
79-01-6	Trichloroethene	0.3	1.61	UD	1.18	1.61	1.61	ug/m3
78-87-5	1,2-Dichloropropane	1	4.62	UD	0.79	4.62	23.1	ug/m3
75-27-4	Bromodichloromethane	1	6.7	UD	1.34	6.7	33.5	ug/m3
108-10-1	4-Methyl-2-Pentanone	1	4.1	UD	1.02	4.1	20.5	ug/m3
108-88-3	Toluene	1	3.77	UD	0.83	3.77	18.8	ug/m3
10061-02-6	t-1,3-Dichloropropene	1	4.54	UD	1.09	4.54	22.7	ug/m3
10061-01-5	cis-1,3-Dichloropropene	1	4.54	UD	0.68	4.54	22.7	ug/m3
79-00-5	1,1,2-Trichloroethane	1	5.46	UD	0.93	5.46	27.3	ug/m3
124-48-1	Dibromochloromethane	1	8.52	UD	1.45	8.52	42.6	ug/m3
106-93-4	1,2-Dibromoethane	1	7.69	UD	1.54	7.69	38.4	ug/m3

Report of Analysis

Client:	GFE LLC	Date Collected:	12/04/18
Project:	4125-4149 Laconia Ave Bronx, NY	Date Received:	12/06/18
Client Sample ID:	IA4DL	SDG No.:	J6262
Lab Sample ID:	J6262-06DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL032942.D	10		12/07/18 19:51	VL120718

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	1.9	12.9	D	1.22	2.03	2.03	ug/m3
108-90-7	Chlorobenzene	1	4.61	UD	0.92	4.61	23.0	ug/m3
100-41-4	Ethyl Benzene	1	4.34	UD	0.52	4.34	21.7	ug/m3
179601-23-1	m/p-Xylene	2	8.69	UD	1.69	8.69	43.4	ug/m3
95-47-6	o-Xylene	1	4.34	UD	1.04	4.34	21.7	ug/m3
100-42-5	Styrene	1	4.26	UD	0.64	4.26	21.3	ug/m3
75-25-2	Bromoform	1	10.3	UD	1.76	10.3	51.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	1	6.87	UD	0.82	6.87	34.3	ug/m3
95-49-8	2-Chlorotoluene	1	5.18	UD	0.78	5.18	25.9	ug/m3
108-67-8	1,3,5-Trimethylbenzene	1	4.92	UD	1.23	4.92	24.6	ug/m3
95-63-6	1,2,4-Trimethylbenzene	1	4.92	UD	0.74	4.92	24.6	ug/m3
541-73-1	1,3-Dichlorobenzene	1	6.01	UD	1.32	6.01	30.1	ug/m3
106-46-7	1,4-Dichlorobenzene	1	6.01	UD	1.08	6.01	30.1	ug/m3
95-50-1	1,2-Dichlorobenzene	1	6.01	UD	1.08	6.01	30.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	1	7.42	UD	2.08	7.42	37.1	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	1	10.7	UD	2.56	10.7	53.3	ug/m3
106-99-0	1,3-Butadiene	1	2.21	UD	0.66	2.21	11.1	ug/m3
91-20-3	Naphthalene	1	5.24	UD	2.04	5.24	26.2	ug/m3
622-96-8	4-Ethyltoluene	1	4.92	UD	0.88	4.92	24.6	ug/m3
110-54-3	Hexane	5	17.6	D	0.42	3.52	17.6	ug/m3
107-05-1	Allyl Chloride	1	3.13	UD	0.75	3.13	15.6	ug/m3
123-91-1	1,4-Dioxane	4	14.4	UD	2.56	14.4	18.0	ug/m3
80-62-6	Methyl Methacrylate	79	323	D	0.9	4.09	20.5	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.3			65 - 135		103%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	1385070		5.76				
540-36-3	1,4-Difluorobenzene	3425740		7.29				
3114-55-4	Chlorobenzene-d5	3277900		12.24				

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Report of Analysis

Client:	GFE LLC	Date Collected:	12/04/18
Project:	4125-4149 Laconia Ave Bronx, NY	Date Received:	12/06/18
Client Sample ID:	OA1	SDG No.:	J6262
Lab Sample ID:	J6262-07	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL032943.D	1		12/07/18 20:32	VL120718

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	0.21	1.04	J	0.1	0.49	2.47	ug/m3
74-87-3	Chloromethane	0.58	1.2		0.04	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.03	0.08	U	0.03	0.08	0.08	ug/m3
74-83-9	Bromomethane	0.1	0.39	U	0.12	0.39	1.94	ug/m3
75-00-3	Chloroethane	0.1	0.26	U	0.11	0.26	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.1	0.29	U	0.03	0.29	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.26	1.46	J	0.11	0.56	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.1	0.77	U	0.15	0.77	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.1	0.7	U	0.07	0.7	3.49	ug/m3
593-60-2	Bromoethene	0.1	0.44	U	0.13	0.44	2.19	ug/m3
75-65-0	tert-Butyl alcohol	0.1	0.3	U	0.12	0.3	1.52	ug/m3
142-82-5	Heptane	0.55	2.25		0.04	0.41	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.1	0.4	U	0.08	0.4	1.98	ug/m3
67-64-1	Acetone	4.9	11.6		0.05	0.24	1.19	ug/m3
75-15-0	Carbon Disulfide	0.1	0.31	U	0.06	0.31	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.1	0.36	U	0.04	0.36	1.8	ug/m3
75-09-2	Methylene Chloride	3.5	12.2		0.14	0.35	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.1	0.4	U	0.12	0.4	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.1	0.4	U	0.08	0.4	2.02	ug/m3
110-82-7	Cyclohexane	0.42	1.45	J	0.07	0.34	1.72	ug/m3
78-93-3	2-Butanone	0.69	2.04		0.06	0.29	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.07	0.44		0.06	0.19	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.1	0.4	U	0.08	0.4	1.98	ug/m3
67-66-3	Chloroform	0.1	0.49	U	0.1	0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.03	0.16	U	0.11	0.16	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.88	4.11		0.05	0.47	2.34	ug/m3
71-43-2	Benzene	0.41	1.31	J	0.03	0.32	1.6	ug/m3
107-06-2	1,2-Dichloroethane	0.1	0.4	U	0.08	0.4	2.02	ug/m3
79-01-6	Trichloroethene	0.08	0.43		0.11	0.16	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.1	0.46	U	0.09	0.46	2.31	ug/m3
75-27-4	Bromodichloromethane	0.1	0.67	U	0.13	0.67	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.1	0.41	U	0.08	0.41	2.05	ug/m3
108-88-3	Toluene	11.5	43.3		0.08	0.38	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.1	0.45	U	0.09	0.45	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.1	0.45	U	0.09	0.45	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.1	0.55	U	0.11	0.55	2.73	ug/m3
124-48-1	Dibromochloromethane	0.1	0.85	U	0.17	0.85	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.1	0.77	U	0.15	0.77	3.84	ug/m3

Report of Analysis

Client:	GFE LLC	Date Collected:	12/04/18
Project:	4125-4149 Laconia Ave Bronx, NY	Date Received:	12/06/18
Client Sample ID:	OA1	SDG No.:	J6262
Lab Sample ID:	J6262-07	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL032943.D	1		12/07/18 20:32	VL120718

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	0.08	0.54		0.14	0.2	0.2	ug/m3
108-90-7	Chlorobenzene	0.1	0.46	U	0.09	0.46	2.3	ug/m3
100-41-4	Ethyl Benzene	0.47	2.04	J	0.04	0.43	2.17	ug/m3
179601-23-1	m/p-Xylene	1.2	5.21		0.17	0.87	4.34	ug/m3
95-47-6	o-Xylene	0.38	1.65	J	0.09	0.43	2.17	ug/m3
100-42-5	Styrene	0.1	0.43	U	0.09	0.43	2.13	ug/m3
75-25-2	Bromoform	0.1	1.03	U	0.21	1.03	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.1	0.69	U	0.07	0.69	3.43	ug/m3
95-49-8	2-Chlorotoluene	0.1	0.52	U	0.1	0.52	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.1	0.49	U	0.1	0.49	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.26	1.28	J	0.1	0.49	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.1	0.6	U	0.12	0.6	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.1	0.6	U	0.12	0.6	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.1	0.6	U	0.12	0.6	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.1	0.74	U	0.22	0.74	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.1	1.07	U	0.21	1.07	5.33	ug/m3
106-99-0	1,3-Butadiene	0.1	0.22	U	0.07	0.22	1.11	ug/m3
91-20-3	Naphthalene	0.1	0.52	U	0.21	0.52	2.62	ug/m3
622-96-8	4-Ethyltoluene	0.1	0.49	U	0.1	0.49	2.46	ug/m3
110-54-3	Hexane	7	24.7		0.04	0.35	1.76	ug/m3
107-05-1	Allyl Chloride	0.1	0.31	U	0.06	0.31	1.57	ug/m3
123-91-1	1,4-Dioxane	0.4	1.44	U	0.25	1.44	1.8	ug/m3
80-62-6	Methyl Methacrylate	0.1	0.41	U	0.08	0.41	2.05	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	11			65 - 135		110%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	1209580		5.76				
540-36-3	1,4-Difluorobenzene	3215530		7.29				
3114-55-4	Chlorobenzene-d5	2998830		12.24				

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements



284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID: J6262
Client: GFE LLC
Contact: Frank Galdun

OrderDate: 12/6/2018 10:32:00 AM
Project: 4125-4149 Laconia Ave Bronx, NY
Location: L11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
J6262-01	IA1	Air	TO-15	TO-15	12/04/18		12/07/18	12/06/18
J6262-01DL	IA1DL	Air	TO-15	TO-15	12/04/18		12/07/18	12/06/18
J6262-02	IA2	Air	TO-15	TO-15	12/04/18		12/07/18	12/06/18
J6262-02DL	IA2DL	Air	TO-15	TO-15	12/04/18		12/07/18	12/06/18
J6262-03	SV1	Air	TO-15	TO-15	12/04/18		12/07/18	12/06/18
J6262-03DL	SV1DL	Air	TO-15	TO-15	12/04/18		12/12/18	12/06/18
J6262-04	SV2	Air	TO-15	TO-15	12/04/18		12/07/18	12/06/18
J6262-04DL	SV2DL	Air	TO-15	TO-15	12/04/18		12/12/18	12/06/18
J6262-05	IA3	Air	TO-15	TO-15	12/04/18		12/07/18	12/06/18
J6262-05DL	IA3DL	Air	TO-15	TO-15	12/04/18		12/07/18	12/06/18
J6262-06	IA4	Air	TO-15	TO-15	12/04/18		12/07/18	12/06/18
J6262-06DL	IA4DL	Air	TO-15	TO-15	12/04/18		12/07/18	12/06/18



284 Sheffield Street, Mountainside, New Jersey - 07092
Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

J6262-07	OA1	Air	TO-15	TO-15	12/04/18	12/07/18	12/06/18
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SHIPPING DOCUMENTS

Client Contact Information				Bottle Order ID : B1811108				Courier : <u>Haus</u>				L of 7 COCs			
Client ID : GFEL01				Project ID : All Projects				Sampler Name(s) : <u>FRANK Galdun</u>				Analysis		Matrix	
Customer Name : GFE LLC Address : 58 Nokomis Ave				Project Manager : Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified							
				Phone Number : 646-542-3465											
				Fax Number : 973-334-1692											
				Site Details: <u>4125-4149 CACONIA AVE</u> <u>BRONX NY</u>											
City : Lake Hiawatha				Analysis Turnaround Time : <u>5 DAY</u>				Data Package Type : <u>RESULTS ONLY</u>							
State : NJ				Standard : 10 Business days OR				EDD Type : <u>PDF</u>							
Zip Code : 07034				Rush (Specify): <u>5</u> Days											
Country :															

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Can Size (L)	Flow Controller Readout	Can Cert ID	TO-15	Indoor/Ambient Air	Soil Gas
IA1	12/4/18	9:00	11:00	29	35	66	67	-30	-4.7	10226	10590	6 L	50	VL032595.D	1	1	

Temperature (Fahrenheit)					GC/MS Analyst Signature (TO-15)
	Ambient	Maximum	Minimum		
Start					
Stop					

Pressure (Inches of Hg)					** Submittal of this COC indicates approval of the analysis based on existing conditio Please follow the instructions on the back of this CO
	Ambient	Maximum	Minimum		
Start					
Stop					

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium Low PID Readings: LO

Sampling site (State):

Quick Connector required : <u>NO</u>			
Canisters Shipped by: <u>NO</u>	Date/Time: <u>11/10/18</u>	Canisters Received by:	Date/Time:
Samples Relinquished by: <u>FRANK</u>	Date/Time: <u>12/5/18</u>	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by: <u>OP</u>	Date/Time: <u>12-6-18 8:00</u>

B1811108 - 7

Client Contact Information				Bottle Order ID : B1811108				Courier : HAND				2 of 2 COCs					
Client ID : GFEL01 Project ID : All Projects				Sampler Name(s) : FRANK GILDUN				Analysis				Matrix					
Customer Name : GFE LLC Address : 58 Nokomis Ave				Project Manager : Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified									
				Phone Number : 646-542-3465													
				Fax Number : 973-334-1692													
				Site Details: 4125-4149 LACONIA AVE BRONX NY													
City : Lake Hiawatha				Analysis Turnaround Time : 5 DAY				Data Package Type : Results Only									
State : NJ				Standard : 10 business days OR													
Zip Code : 07034				Rush (Specify): 5 Days				EDD Type : PDF									
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Can Size (L)	Flow Controller Readout	Can Cert ID	TO-15	Indoor/Inbinet Air	Soil Gas
IAZ	12/4/18	9:11	11:11	OVER 30	2	67	67	-30	-5.1	10511	10268	6 L	50	VL032595.D			
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) [Signature]							
		Ambient	Maximum	Minimum													
Start																	
Stop																	
Pressure (Inches of Hg)										** Submittal of this COC indicates approval of the analysis based on existing conditio Please follow the instructions on the back of this CO							
		Ambient	Maximum	Minimum													
Start																	
Stop																	
Special Instructions/QC Requirements & Comments :																	
Suspected Contamination: High Medium Low PID Readings: 0.2																	
Sampling site (State):																	
Quick Connector required : NO																	
Canisters Shipped by: GC				Date/Time: 11/20/18				Canisters Received by:				Date/Time:					
Samples Relinquished by: FRANK				Date/Time: 12/5/18				Received by:				Date/Time:					
Relinquished by:				Date/Time:				Received by: CP				Date/Time: 12-6-18 9:00					

B1811108 - 2

Client Contact Information				Bottle Order ID : B1811108				Courier : HAND				3 of 7 COCs					
Client ID : GFEL01				Project ID : All Projects				Sampler Name(s) : FRANK GALDUN				Analysis		Matrix			
Customer Name : GFE LLC Address : 58 Nokomis Ave City : Lake Hiawatha State : NJ Zip Code : 07034 Country :				Project Manager : Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified									
				Phone Number : 646-542-3465													
				Fax Number : 973-334-1692													
				Site Details: 4125-4149 LACONIA AVE BRONX-NY													
Analysis Turnaround Time : 5 DAY				Standard : 10 business days OR				Data Package Type : Results only									
Rush (Specify): 5 Days				EDD Type : PDF													
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Can Size (L)	Flow Controller Readout	Can Cert ID	TO-15	Indoor/Ambient Air	Soil Gas
501	12/18/18	8:59	10:59	30	0	67	67	-30	-3.1	10707	10160	6 L	50	VL032595.D	1		1
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) 							
		Ambient	Maximum	Minimum													
Start																	
Stop																	
Pressure (Inches of Hg)										** Submittal of this COC indicates approval of the analysis based on existing conditio Please follow the instructions on the back of this CO							
		Ambient	Maximum	Minimum													
Start																	
Stop																	
Special Instructions/QC Requirements & Comments : Suspected Contamination: High Medium Low PID Readings: 10 Sampling site (State): Quick Connector required : NO																	
Canisters Shipped by: GC				Date/Time: 11/30/18				Canisters Received by:				Date/Time:				B1811108 - 1	
Samples Relinquished by: FRANK				Date/Time: 12/5/18				Received by:				Date/Time:					
Relinquished by:				Date/Time:				Received by: CP				Date/Time: 12-6-18 8:00					

Client Contact Information				Bottle Order ID : B1811108				Courier : <i>Hans</i>				4 of 1 COCs					
Client ID : GFEL01				Project ID : All Projects				Sampler Name(s) : <i>FRANK GALDUN</i>				Analysis		Matrix			
Customer Name : GFE LLC Address : 58 Nokomis Ave				Project Manager : Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified									
				Phone Number : 646-542-3465													
				Fax Number : 973-334-1692													
				Site Details: <i>4125-4149 LACONIA WESTCHESTER AVE BRONX, NY</i>													
City : Lake Hiawatha				Analysis Turnaround Time : <i>3</i>				Data Package Type : <i>Results ONLY</i>									
State : NJ				Standard : 10-business days OR													
Zip Code : 07034				Rush (Specify): <i>3</i> Days				EDD Type : <i>PDF</i>									
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Can Size (L)	Flow Controller Readout	Can Cert ID	<i>TO-15</i>	Indoor/Ambient Air	Soil Gas
<i>SVZ</i>	<i>12/4/18</i>	<i>9:10</i>	<i>11:10</i>	<i>OVER 30</i>	<i>11.5</i>	<i>67</i>	<i>67</i>	<i>-30</i>		<i>10522</i>	<i>10405</i>	<i>6 L</i>	<i>50</i>	<i>VL032595.D</i>			
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) <i>[Signature]</i>							
		Ambient	Maximum	Minimum													
Start																	
Stop																	
Pressure (Inches of Hg)										** Submittal of this COC Indicates approval of the analysis based on existing conditio Please follow the instructions on the back of this CO							
		Ambient	Maximum	Minimum													
Start																	
Stop																	
Special Instructions/QC Requirements & Comments :																	
Suspected Contamination: High Medium Low <i>3</i> → PID Readings:																	
Sampling site (State):																	
Quick Connector required : <i>NO</i>																	
Canisters Shipped by: <i>FRS</i>				Date/Time: <i>11/20/18</i>				Canisters Received by:				Date/Time:				B1811108 - 6	
Samples Relinquished by:				Date/Time: <i>12/5/18</i>				Received by:				Date/Time:					
Relinquished by:				Date/Time:				Received by: <i>CP</i>				Date/Time: <i>12-6-18 8:00</i>					

Client Contact Information				Bottle Order ID : B1811108				Courier : HAND				5 of 7 COCs																	
Client ID : GFEL01				Project ID : All Projects				Sampler Name(s) : FRANK GALDUN				Analysis		Matrix															
Customer Name : GFE LLC Address : 58 Nokomis Ave City : Lake Hiawatha State : NJ Zip Code : 07034 Country :				Project Manager : Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified																					
				Phone Number : 646-542-3465																									
				Fax Number : 973-334-1692																									
				Site Details: 4125-4149 LACONIA AVE BROX NY																									
Analysis Turnaround Time : 5 DAY				Standard : 10 business days OR				Data Package Type : Results only																					
Rush (Specify): 5 Days				EDD Type : PDF																									
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Can Size (L)	Flow Controller Readout	Can Cert ID	TO-15	Indoor/Ambient Air	Soil Gas												
IA3	12/18/10	10:43	12:43	30	45	67	67	-30	74.3	10479	10301	6 L	50	VL032595.D	1	1													
Temperature (Fahrenheit) <table border="1"> <tr> <td></td> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td></td> <td></td> <td></td> </tr> </table>											Ambient	Maximum	Minimum	Start				Stop				GC/MS Analyst Signature (TO-15) 							
	Ambient	Maximum	Minimum																										
Start																													
Stop																													
Pressure (Inches of Hg) <table border="1"> <tr> <td></td> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td></td> <td></td> <td></td> </tr> </table>											Ambient	Maximum	Minimum	Start				Stop				** Submittal of this COC indicates approval of the analysis based on existing conditio Please follow the instructions on the back of this CO							
	Ambient	Maximum	Minimum																										
Start																													
Stop																													
Special Instructions/QC Requirements & Comments : Suspected Contamination: High Medium Low PID Readings: 0.2 Sampling site (State): Quick Connector required : N?																													
Canisters Shipped by: NE				Date/Time: 11/16/10				Canisters Received by:				Date/Time:																	
Samples Relinquished by: FRANK GALDUN				Date/Time: 12/5/10				Received by:				Date/Time:																	
Relinquished by:				Date/Time:				Received by: CP				Date/Time: 12-6-10 8:00																	

B1811108 - 5

Client Contact Information				Bottle Order ID : B1811108				Courier : HAND				6 of 7 COCs			
Client ID : GFEL01				Project ID : All Projects				Sampler Name(s) FRANK GILDUN				Analysis		Matrix	
Customer Name : GFE LLC Address : 58 Nokomis Ave				Project Manager Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Individual Certified							
				Phone Number : 646-542-3465											
				Fax Number : 973-334-1692											
				Site Details: 4125-4149 LACONIA AVE BRONX											
City : Lake Hiawatha				Analysis Turnaround Time 5 DAY				Data Package Type : RESULTS ONLY							
State : NJ				Standard : 10 business days OR				EDD Type : PDF							
Zip Code : 07034				Rush (Specify): 5 Days											
Country :															

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Can Size (L)	Flow Controller Readout	Can Cert ID	TO-15	Indoor/Ambient Air	Soil Gas
IA4	12/4/18	1045	245	30	4.5	66	67	-30	-4.3	10616	10288	6 L	50	VL032595.D	1	1	

Temperature (Fahrenheit)					GC/MS Analyst Signature (TO-15) [Signature]
	Ambient	Maximum	Minimum		
Start					
Stop					

Pressure (Inches of Hg)					** Submittal of this COC indicates approval of the analysis based on existing conditio Please follow the instructions on the back of this CO
	Ambient	Maximum	Minimum		
Start					
Stop					

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium Low PID Readings: 0.0

Sampling site (State):

Quick Connector required : NO			
Canisters Shipped by: FAK	Date/Time: 11/30/18	Canisters Received by:	Date/Time:
Samples Relinquished by: FAK	Date/Time: 12/5/18	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by: CP	Date/Time: 12-6-18 8:00

B1811108 - 4

Client Contact Information				Bottle Order ID : B1811108				Courier : HAND				7 of 7 COCs																	
Client ID : GFEL01				Project ID : All Projects				Sampler Name(s) : FRANK GILDUN				Analysis		Matrix															
Customer Name : GFE LLC Address : 58 Nokomis Ave				Project Manager : Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified																					
				Phone Number : 646-542-3465																									
				Fax Number : 973-334-1692																									
				Site Details: 4125-4149 LACONIA AVE BRONX, NY																									
City : Lake Hiawatha				Analysis Turnaround Time : 5 DAY				Data Package Type : RESULTS ONLY																					
State : NJ				Standard : 10 business days OR				EDD Type : PDF																					
Zip Code : 07034				Rush (Specify): 5 Days																									
Country :																													
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Can Size (L)	Flow Controller Readout	Can Cert ID	TO-15	Indoor Ambient Air	Soil Gas												
OAL	12/9/18	030	130	21.5	0	✓	✓	-30	-4.3	10503	10285	6 L	50	VL032595.D	C	✓													
Temperature (Fahrenheit) <table border="1"> <tr> <td></td> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td>36</td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td>39</td> <td></td> <td></td> </tr> </table>											Ambient	Maximum	Minimum	Start	36			Stop	39			GC/MS Analyst Signature (TO-15) [Signature]							
	Ambient	Maximum	Minimum																										
Start	36																												
Stop	39																												
Pressure (Inches of Hg) <table border="1"> <tr> <td></td> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td></td> <td></td> <td></td> </tr> </table>											Ambient	Maximum	Minimum	Start				Stop				** Submittal of this COC indicates approval of the analysis based on existing conditio Please follow the instructions on the back of this CO							
	Ambient	Maximum	Minimum																										
Start																													
Stop																													
Special Instructions/QC Requirements & Comments :																													
Suspected Contamination: High Medium Low PID Readings: 0.0																													
Sampling site (State):																													
Quick Connector required : NO																													
Canisters Shipped by: [Signature]				Date/Time: 11/10/18				Canisters Received by:				Date/Time:																	
Samples Relinquished by: [Signature]				Date/Time: 12/9/18				Received by:				Date/Time:																	
Relinquished by:				Date/Time:				Received by: [Signature]				Date/Time: 12-6-18 8:00																	
B1811108 - 3																													

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5

Internal Chain of Custody

Instructions: Use 1 form for each 20 samples of aliquot

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample

Laboratory: ChemtechLocation: 284 Sheffield Street, Mountainside, NJ 7092~~QA66~~:Title: Sample CustodianField Sample Seal No. J6262Date Broken: 12/6/2018Military Time Seal Broken: 08:00:00Case No.: All ProjectsAnalytical Parameter/Fraction: TO-15

Sample No.	Aliquot/Extract No.	Sample No.	Aliquot/Extract No.
J6262-01	IA1		
J6262-02	IA2		
J6262-03	SV1		
J6262-04	SV2		
J6262-05	IA3		
J6262-06	IA4		
J6262-07	OA1		

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
12/6/18	13:05	Signature	Signature	
		Printed Name <u>Cassanova Per</u>	Printed Name <u>Pedro Sanchez</u>	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	

Distribution: White - Original (Sent With Report)

Yellow - Contractor Archive

Pink - Sample Custodian - Interim Copy

Hampton-Clarke Report Of Analysis

Client: GFE LLC

HC Project #: 8013017

Project: 4137 Laconia Ave

Sample ID: B1 1'

Lab#: AD02364-001

Matrix: Soil

Collection Date: 1/30/2018

Receipt Date: 1/30/2018

% Solids SM2540G

Analyte	DF	Units	RL	Result
%Solids	1	percent		87

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result		
1,1,1-Trichloroethane	96.2	mg/kg	0.11	ND		
1,1-Dichloroethane	96.2	mg/kg	0.11	ND		
1,1-Dichloroethene	96.2	mg/kg	0.11	ND		
1,2,4-Trimethylbenzene	96.2	mg/kg	0.11	ND		
1,2-Dichlorobenzene	96.2	mg/kg	0.11	ND		
1,2-Dichloroethane	96.2	mg/kg	0.055	ND		
1,3,5-Trimethylbenzene	96.2	mg/kg	0.11	ND		
1,3-Dichlorobenzene	96.2	mg/kg	0.11	ND		
1,4-Dichlorobenzene	96.2	mg/kg	0.11	ND		
1,4-Dioxane	96.2	mg/kg	5.5	ND		
2-Butanone	96.2	mg/kg	0.11	ND		
4-Isopropyltoluene	96.2	mg/kg	0.11	ND		
Acetone	96.2	mg/kg	0.55	ND		
Benzene	96.2	mg/kg	0.055	ND		
Carbon tetrachloride	96.2	mg/kg	0.11	ND		
Chlorobenzene	96.2	mg/kg	0.11	ND		
Chloroform	96.2	mg/kg	0.11	ND		
cis-1,2-Dichloroethene	96.2	mg/kg	0.11	ND		
Ethylbenzene	96.2	mg/kg	0.11	ND		
Isopropylbenzene	96.2	mg/kg	0.11	ND		
m&p-Xylenes	96.2	mg/kg	0.11	ND		
Methylene chloride	96.2	mg/kg	0.11	ND		
Methyl-t-butyl ether	96.2	mg/kg	0.055	ND		
Naphthalene	96.2	mg/kg	0.11	ND		
n-Butylbenzene	96.2	mg/kg	0.11	ND		
n-Propylbenzene	96.2	mg/kg	0.11	ND		
o-Xylene	96.2	mg/kg	0.11	ND		
sec-Butylbenzene	96.2	mg/kg	0.11	ND		
t-Butylbenzene	96.2	mg/kg	0.11	ND		
Tetrachloroethene	96.2	mg/kg	0.11	25		
Toluene	96.2	mg/kg	0.11	ND		
trans-1,2-Dichloroethene	96.2	mg/kg	0.11	ND		
Trichloroethene	96.2	mg/kg	0.11	0.19		
Vinyl chloride	96.2	mg/kg	0.11	ND		
Xylenes (Total)	96.2	mg/kg	0.11	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	29.46	30	68	122	98	
Dibromofluoromethane	29.76	30	63	140	99	
Bromofluorobenzene	30.01	30	64	129	100	
1,2-Dichloroethane-d4	30.27	30	63	143	101	

Sample ID: B1 2.5'
 Lab#: AD02364-002
 Matrix: Soil

Collection Date: 1/30/2018
 Receipt Date: 1/30/2018

% Solids SM2540G

Analyte	DF	Units	RL	Result
%Solids	1	percent		91

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result		
1,1,1-Trichloroethane	0.949	mg/kg	0.0021	ND		
1,1-Dichloroethane	0.949	mg/kg	0.0021	ND		
1,1-Dichloroethene	0.949	mg/kg	0.0021	ND		
1,2,4-Trimethylbenzene	0.949	mg/kg	0.0010	ND		
1,2-Dichlorobenzene	0.949	mg/kg	0.0021	ND		
1,2-Dichloroethane	0.949	mg/kg	0.0021	ND		
1,3,5-Trimethylbenzene	0.949	mg/kg	0.0010	ND		
1,3-Dichlorobenzene	0.949	mg/kg	0.0021	ND		
1,4-Dichlorobenzene	0.949	mg/kg	0.0021	ND		
1,4-Dioxane	0.949	mg/kg	0.10	ND		
2-Butanone	0.949	mg/kg	0.0021	ND		
4-Isopropyltoluene	0.949	mg/kg	0.0010	ND		
Acetone	0.949	mg/kg	0.010	ND		
Benzene	0.949	mg/kg	0.0010	ND		
Carbon tetrachloride	0.949	mg/kg	0.0021	ND		
Chlorobenzene	0.949	mg/kg	0.0021	ND		
Chloroform	0.949	mg/kg	0.0021	ND		
cis-1,2-Dichloroethene	0.949	mg/kg	0.0021	ND		
Ethylbenzene	0.949	mg/kg	0.0010	ND		
Isopropylbenzene	0.949	mg/kg	0.0010	ND		
m&p-Xylenes	0.949	mg/kg	0.0010	ND		
Methylene chloride	0.949	mg/kg	0.0021	ND		
Methyl-t-butyl ether	0.949	mg/kg	0.0010	ND		
Naphthalene	0.949	mg/kg	0.0010	ND		
n-Butylbenzene	0.949	mg/kg	0.0010	ND		
n-Propylbenzene	0.949	mg/kg	0.0010	ND		
o-Xylene	0.949	mg/kg	0.0010	ND		
sec-Butylbenzene	0.949	mg/kg	0.0010	ND		
t-Butylbenzene	0.949	mg/kg	0.0010	ND		
Tetrachloroethene	0.949	mg/kg	0.0021	ND		
Toluene	0.949	mg/kg	0.0010	ND		
trans-1,2-Dichloroethene	0.949	mg/kg	0.0021	ND		
Trichloroethene	0.949	mg/kg	0.0021	ND		
Vinyl chloride	0.949	mg/kg	0.0021	ND		
Xylenes (Total)	0.949	mg/kg	0.0010	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	27.19	30	68	122	91	
Dibromofluoromethane	35.70	30	63	140	119	
Bromofluorobenzene	36.74	30	64	129	122	
1,2-Dichloroethane-d4	37.08	30	63	143	124	

Sample ID: B2 1'
 Lab#: AD02364-003
 Matrix: Soil

Collection Date: 1/30/2018
 Receipt Date: 1/30/2018

% Solids SM2540G

Analyte	DF	Units	RL	Result
%Solids	1	percent		86

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result		
1,1,1-Trichloroethane	0.96	mg/kg	0.0022	ND		
1,1-Dichloroethane	0.96	mg/kg	0.0022	ND		
1,1-Dichloroethene	0.96	mg/kg	0.0022	ND		
1,2,4-Trimethylbenzene	0.96	mg/kg	0.0011	ND		
1,2-Dichlorobenzene	0.96	mg/kg	0.0022	ND		
1,2-Dichloroethane	0.96	mg/kg	0.0022	ND		
1,3,5-Trimethylbenzene	0.96	mg/kg	0.0011	ND		
1,3-Dichlorobenzene	0.96	mg/kg	0.0022	ND		
1,4-Dichlorobenzene	0.96	mg/kg	0.0022	ND		
1,4-Dioxane	0.96	mg/kg	0.11	ND		
2-Butanone	0.96	mg/kg	0.0022	ND		
4-Isopropyltoluene	0.96	mg/kg	0.0011	ND		
Acetone	0.96	mg/kg	0.011	0.031		
Benzene	0.96	mg/kg	0.0011	ND		
Carbon tetrachloride	0.96	mg/kg	0.0022	ND		
Chlorobenzene	0.96	mg/kg	0.0011	ND		
Chloroform	0.96	mg/kg	0.0022	ND		
cis-1,2-Dichloroethene	0.96	mg/kg	0.0022	ND		
Ethylbenzene	0.96	mg/kg	0.0011	ND		
Isopropylbenzene	0.96	mg/kg	0.0011	ND		
m&p-Xylenes	0.96	mg/kg	0.0011	ND		
Methylene chloride	0.96	mg/kg	0.0022	ND		
Methyl-t-butyl ether	0.96	mg/kg	0.0011	ND		
Naphthalene	0.96	mg/kg	0.0011	ND		
n-Butylbenzene	0.96	mg/kg	0.0011	ND		
n-Propylbenzene	0.96	mg/kg	0.0011	ND		
o-Xylene	0.96	mg/kg	0.0011	ND		
sec-Butylbenzene	0.96	mg/kg	0.0011	ND		
t-Butylbenzene	0.96	mg/kg	0.0011	ND		
Tetrachloroethene	0.96	mg/kg	0.0022	0.25		
Toluene	0.96	mg/kg	0.0011	ND		
trans-1,2-Dichloroethene	0.96	mg/kg	0.0022	ND		
Trichloroethene	0.96	mg/kg	0.0022	0.0089		
Vinyl chloride	0.96	mg/kg	0.0022	ND		
Xylenes (Total)	0.96	mg/kg	0.0011	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	29.03	30	68	122	97	
Dibromofluoromethane	26.76	30	63	140	89	
Bromofluorobenzene	32.62	30	64	129	109	
1,2-Dichloroethane-d4	31.87	30	63	143	106	

Sample ID: B4 1'
 Lab#: AD02364-004
 Matrix: Soil

Collection Date: 1/30/2018
 Receipt Date: 1/30/2018

% Solids SM2540G

Analyte	DF	Units	RL	Result
%Solids	1	percent		88

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result		
1,1,1-Trichloroethane	0.952	mg/kg	0.0022	ND		
1,1-Dichloroethane	0.952	mg/kg	0.0022	ND		
1,1-Dichloroethene	0.952	mg/kg	0.0022	ND		
1,2,4-Trimethylbenzene	0.952	mg/kg	0.0011	ND		
1,2-Dichlorobenzene	0.952	mg/kg	0.0022	ND		
1,2-Dichloroethane	0.952	mg/kg	0.0022	ND		
1,3,5-Trimethylbenzene	0.952	mg/kg	0.0011	ND		
1,3-Dichlorobenzene	0.952	mg/kg	0.0022	ND		
1,4-Dichlorobenzene	0.952	mg/kg	0.0022	ND		
1,4-Dioxane	0.952	mg/kg	0.11	ND		
2-Butanone	0.952	mg/kg	0.0022	ND		
4-Isopropyltoluene	0.952	mg/kg	0.0011	ND		
Acetone	0.952	mg/kg	0.011	0.019		
Benzene	0.952	mg/kg	0.0011	ND		
Carbon tetrachloride	0.952	mg/kg	0.0022	ND		
Chlorobenzene	0.952	mg/kg	0.0011	ND		
Chloroform	0.952	mg/kg	0.0022	ND		
cis-1,2-Dichloroethene	0.952	mg/kg	0.0022	ND		
Ethylbenzene	0.952	mg/kg	0.0011	ND		
Isopropylbenzene	0.952	mg/kg	0.0011	ND		
m&p-Xylenes	0.952	mg/kg	0.0011	ND		
Methylene chloride	0.952	mg/kg	0.0022	ND		
Methyl-t-butyl ether	0.952	mg/kg	0.0011	ND		
Naphthalene	0.952	mg/kg	0.0011	ND		
n-Butylbenzene	0.952	mg/kg	0.0011	ND		
n-Propylbenzene	0.952	mg/kg	0.0011	ND		
o-Xylene	0.952	mg/kg	0.0011	ND		
sec-Butylbenzene	0.952	mg/kg	0.0011	ND		
t-Butylbenzene	0.952	mg/kg	0.0011	ND		
Tetrachloroethene	0.952	mg/kg	0.0022	0.035		
Toluene	0.952	mg/kg	0.0011	ND		
trans-1,2-Dichloroethene	0.952	mg/kg	0.0022	ND		
Trichloroethene	0.952	mg/kg	0.0022	0.0094		
Vinyl chloride	0.952	mg/kg	0.0022	ND		
Xylenes (Total)	0.952	mg/kg	0.0011	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	30.45	30	68	122	101	
Dibromofluoromethane	31.33	30	63	140	104	
Bromofluorobenzene	34.32	30	64	129	114	
1,2-Dichloroethane-d4	33.32	30	63	143	111	

Sample ID: B3GW
 Lab#: AD02364-005
 Matrix: Aqueous

Collection Date: 1/30/2018
 Receipt Date: 1/30/2018

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result		
1,1,1-Trichloroethane	20	ug/l	20	ND		
1,1-Dichloroethane	20	ug/l	20	ND		
1,1-Dichloroethene	20	ug/l	20	ND		
1,2,4-Trimethylbenzene	20	ug/l	20	ND		
1,2-Dichlorobenzene	20	ug/l	20	ND		
1,2-Dichloroethane	20	ug/l	10	ND		
1,3,5-Trimethylbenzene	20	ug/l	20	ND		
1,3-Dichlorobenzene	20	ug/l	20	ND		
1,4-Dichlorobenzene	20	ug/l	20	ND		
1,4-Dioxane	20	ug/l	1000	ND		
2-Butanone	20	ug/l	20	ND		
4-Isopropyltoluene	20	ug/l	20	ND		
Acetone	20	ug/l	100	ND		
Benzene	20	ug/l	10	ND		
Carbon tetrachloride	20	ug/l	20	ND		
Chlorobenzene	20	ug/l	20	ND		
Chloroform	20	ug/l	20	ND		
cis-1,2-Dichloroethene	20	ug/l	20	56		
Ethylbenzene	20	ug/l	20	ND		
Isopropylbenzene	20	ug/l	20	ND		
m&p-Xylenes	20	ug/l	20	ND		
Methylene chloride	20	ug/l	20	ND		
Methyl-t-butyl ether	20	ug/l	10	ND		
Naphthalene	20	ug/l	20	ND		
n-Butylbenzene	20	ug/l	20	ND		
n-Propylbenzene	20	ug/l	20	ND		
o-Xylene	20	ug/l	20	ND		
sec-Butylbenzene	20	ug/l	20	ND		
t-Butylbenzene	20	ug/l	20	ND		
Tetrachloroethene	20	ug/l	20	3500		
Toluene	20	ug/l	20	ND		
trans-1,2-Dichloroethene	20	ug/l	20	ND		
Trichloroethene	20	ug/l	20	450		
Vinyl chloride	20	ug/l	20	ND		
Xylenes (Total)	20	ug/l	20	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	25.62	30	79	111	85	
Dibromofluoromethane	35.36	30	73	131	118	
Bromofluorobenzene	29.64	30	82	112	99	
1,2-Dichloroethane-d4	31.50	30	78	128	105	



CHAIN OF CUSTODY RECORD

A Women-Owned, Disadvantaged, Small Business Enterprise

NE/LAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

Project # (Lab Use Only)

8013017

Page 1 of 1

3) Reporting Requirements (Please Circle)

Customer Information 1a) Customer: <u>GEE HOLDINGS INC</u> Address: <u>538 HOLCOMBS BLVD</u> <u>145 HAWORTH RD</u> <u>FRANKLIN, NJ 07034</u> 1b) Email/Cell/Fax/Ph: <u>Frank@geeholdings.net</u> 1c) Send Invoice to: <u>Frank</u> 1d) Send Report to: <u>Frank</u>		Project Information 2a) Project: <u>4137 LATCONDTN AVE</u> 2b) Project Mgr: <u>BRONX NY</u> 2c) Project Location (City/State): <u>BRONX NY</u> 2d) Quote/PO # (If Applicable): _____		Turnaround When Available: 1 Business Day (100%)* 2 Business Days (75%)* 3 Business Days (50%)* 4 Business Days (35%)* 5 Business Days (25%)* 8 Business Days (Stand.) Other: _____	Report Type Summary Results + QC (Waste) Reduced: ☐ NU ☐ NY ☐ PA ☐ Other _____ NY Full / NY ASP CalB NY ASP CalA	Electronic Data Deliv. NU HazSite Excel Reg. NU / NY / PA EnviroData EQUIS: ☐ 4-File ☐ EZ ☐ NYDEC ☐ Reg 2 or 5 Other: <u>PDF</u>
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FOR LAB

[illegible]

Accepted by:	
10) Reinquished by:	

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil)

For NJ LSRP projects, indicate which standards need to be met:

BN or BNA (8270D SIM)
VOC (8260C SIM or 8011
SPLP (BN, BNA, Metals)

1,4 Dioxane
Check if applicable:

11) Sampler (print name):

FOR L. GATHIN

Date: 1/30/00

Cooler Temperature

Additional Notes

CO

Please note NUMBERED items. If not completed your analytical work may be delayed
A fee of \$5/sample will be assessed for storage should sample not be activated for any analysis.

[illegible]

Hampton-Clarke Report Of Analysis

Client: GFE LLC

HC Project #: 8120415

Project: Laconia Avenue

Sample ID: B1 9'

Lab#: AD07999-001

Matrix: Soil

Collection Date: 12/4/2018

Receipt Date: 12/4/2018

% Solids SM2540G

Analyte	DF	Units	RL	Result
%Solids	1	percent		90

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result		
1,1,1-Trichloroethane	0.962	mg/kg	0.0021	ND		
1,1-Dichloroethane	0.962	mg/kg	0.0021	ND		
1,1-Dichloroethene	0.962	mg/kg	0.0021	ND		
1,2,4-Trimethylbenzene	0.962	mg/kg	0.0011	ND		
1,2-Dichlorobenzene	0.962	mg/kg	0.0021	ND		
1,2-Dichloroethane	0.962	mg/kg	0.0021	ND		
1,3,5-Trimethylbenzene	0.962	mg/kg	0.0011	ND		
1,3-Dichlorobenzene	0.962	mg/kg	0.0021	ND		
1,4-Dichlorobenzene	0.962	mg/kg	0.0021	ND		
1,4-Dioxane	0.962	mg/kg	0.11	ND		
2-Butanone	0.962	mg/kg	0.0021	ND		
4-Isopropyltoluene	0.962	mg/kg	0.0011	ND		
Acetone	0.962	mg/kg	0.011	ND		
Benzene	0.962	mg/kg	0.0011	ND		
Carbon tetrachloride	0.962	mg/kg	0.0021	ND		
Chlorobenzene	0.962	mg/kg	0.0021	ND		
Chloroform	0.962	mg/kg	0.0021	ND		
cis-1,2-Dichloroethene	0.962	mg/kg	0.0021	ND		
Ethylbenzene	0.962	mg/kg	0.0011	ND		
Isopropylbenzene	0.962	mg/kg	0.0011	ND		
m&p-Xylenes	0.962	mg/kg	0.0011	ND		
Methylene chloride	0.962	mg/kg	0.0021	ND		
Methyl-t-butyl ether	0.962	mg/kg	0.0011	ND		
Naphthalene	0.962	mg/kg	0.0011	ND		
n-Butylbenzene	0.962	mg/kg	0.0011	ND		
n-Propylbenzene	0.962	mg/kg	0.0011	ND		
o-Xylene	0.962	mg/kg	0.0011	ND		
sec-Butylbenzene	0.962	mg/kg	0.0011	ND		
t-Butylbenzene	0.962	mg/kg	0.0011	ND		
Tetrachloroethene	0.962	mg/kg	0.0021	ND		
Toluene	0.962	mg/kg	0.0011	ND		
trans-1,2-Dichloroethene	0.962	mg/kg	0.0021	ND		
Trichloroethene	0.962	mg/kg	0.0021	ND		
Vinyl chloride	0.962	mg/kg	0.0021	ND		
Xylenes (Total)	0.962	mg/kg	0.0011	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	28.33	30	68	122	94	
Dibromofluoromethane	31.20	30	63	140	104	
Bromofluorobenzene	30.27	30	64	129	101	
1,2-Dichloroethane-d4	31.65	30	63	143	105	

Sample ID: B2 9'
 Lab#: AD07999-002
 Matrix: Soil

Collection Date: 12/4/2018
 Receipt Date: 12/4/2018

% Solids SM2540G

Analyte	DF	Units	RL	Result
%Solids	1	percent		88

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result		
1,1,1-Trichloroethane	1	mg/kg	0.0023	ND		
1,1-Dichloroethane	1	mg/kg	0.0023	ND		
1,1-Dichloroethene	1	mg/kg	0.0023	ND		
1,2,4-Trimethylbenzene	1	mg/kg	0.0011	ND		
1,2-Dichlorobenzene	1	mg/kg	0.0023	ND		
1,2-Dichloroethane	1	mg/kg	0.0023	ND		
1,3,5-Trimethylbenzene	1	mg/kg	0.0011	ND		
1,3-Dichlorobenzene	1	mg/kg	0.0023	ND		
1,4-Dichlorobenzene	1	mg/kg	0.0023	ND		
1,4-Dioxane	1	mg/kg	0.11	ND		
2-Butanone	1	mg/kg	0.0023	ND		
4-Isopropyltoluene	1	mg/kg	0.0011	ND		
Acetone	1	mg/kg	0.011	0.016		
Benzene	1	mg/kg	0.0011	ND		
Carbon tetrachloride	1	mg/kg	0.0023	ND		
Chlorobenzene	1	mg/kg	0.0023	ND		
Chloroform	1	mg/kg	0.0023	ND		
cis-1,2-Dichloroethene	1	mg/kg	0.0023	ND		
Ethylbenzene	1	mg/kg	0.0011	ND		
Isopropylbenzene	1	mg/kg	0.0011	ND		
m&p-Xylenes	1	mg/kg	0.0011	ND		
Methylene chloride	1	mg/kg	0.0023	ND		
Methyl-t-butyl ether	1	mg/kg	0.0011	ND		
Naphthalene	1	mg/kg	0.0011	ND		
n-Butylbenzene	1	mg/kg	0.0011	ND		
n-Propylbenzene	1	mg/kg	0.0011	ND		
o-Xylene	1	mg/kg	0.0011	ND		
sec-Butylbenzene	1	mg/kg	0.0011	ND		
t-Butylbenzene	1	mg/kg	0.0011	ND		
Tetrachloroethene	1	mg/kg	0.0023	ND		
Toluene	1	mg/kg	0.0011	ND		
trans-1,2-Dichloroethene	1	mg/kg	0.0023	ND		
Trichloroethene	1	mg/kg	0.0023	ND		
Vinyl chloride	1	mg/kg	0.0023	ND		
Xylenes (Total)	1	mg/kg	0.0011	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	28.50	30	68	122	95	
Dibromofluoromethane	30.74	30	63	140	102	
Bromofluorobenzene	30.42	30	64	129	101	
1,2-Dichloroethane-d4	31.67	30	63	143	106	

Sample ID: SUMP
 Lab#: AD07999-003
 Matrix: Aqueous

Collection Date: 12/4/2018
 Receipt Date: 12/4/2018

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result		
1,1,1-Trichloroethane	1	ug/l	1.0	ND		
1,1-Dichloroethane	1	ug/l	1.0	ND		
1,1-Dichloroethene	1	ug/l	1.0	ND		
1,2,4-Trimethylbenzene	1	ug/l	1.0	ND		
1,2-Dichlorobenzene	1	ug/l	1.0	ND		
1,2-Dichloroethane	1	ug/l	0.50	ND		
1,3,5-Trimethylbenzene	1	ug/l	1.0	ND		
1,3-Dichlorobenzene	1	ug/l	1.0	ND		
1,4-Dichlorobenzene	1	ug/l	1.0	ND		
1,4-Dioxane	1	ug/l	50	ND		
2-Butanone	1	ug/l	1.0	ND		
4-Isopropyltoluene	1	ug/l	1.0	ND		
Acetone	1	ug/l	5.0	55		
Benzene	1	ug/l	0.50	ND		
Carbon tetrachloride	1	ug/l	1.0	ND		
Chlorobenzene	1	ug/l	1.0	ND		
Chloroform	1	ug/l	1.0	ND		
cis-1,2-Dichloroethene	1	ug/l	1.0	1.0		
Ethylbenzene	1	ug/l	1.0	ND		
Isopropylbenzene	1	ug/l	1.0	ND		
m&p-Xylenes	1	ug/l	1.0	ND		
Methylene chloride	1	ug/l	1.0	ND		
Methyl-t-butyl ether	1	ug/l	0.50	ND		
Naphthalene	1	ug/l	1.0	ND		
n-Butylbenzene	1	ug/l	1.0	ND		
n-Propylbenzene	1	ug/l	1.0	ND		
o-Xylene	1	ug/l	1.0	ND		
sec-Butylbenzene	1	ug/l	1.0	ND		
t-Butylbenzene	1	ug/l	1.0	ND		
Tetrachloroethene	1	ug/l	1.0	7.8		
Toluene	1	ug/l	1.0	ND		
trans-1,2-Dichloroethene	1	ug/l	1.0	ND		
Trichloroethene	1	ug/l	1.0	4.1		
Vinyl chloride	1	ug/l	1.0	ND		
Xylenes (Total)	1	ug/l	1.0	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	26.94	30	79	111	90	
Dibromofluoromethane	33.23	30	73	131	111	
Bromofluorobenzene	30.01	30	82	112	100	
1,2-Dichloroethane-d4	33.13	30	78	128	110	

Page 1 of 1

Report Type	Electronic Data Deliv
Summary	NJ Hazsite

Excel Reg. NJ / NY / PA

Results + QC (Waste) EnviroData Excel Reg. Info

☐ NJ	☐ NY	EQUIP:	☐ 4-File	☐ EZ
☐ PA	☐ Other			

NY Full / NY ASP CatB	[] NYDEC
NY ASP CatA	[☒] Region 2 or 5

Other: SE

Not Always Available. Please Check with Lab.

Not Always Available. Please Check with Lab.

[illegible]

Comments, Notes, Special Requirements, HAZARDS	For NJ LSRP projects, indicate which standard
Indicate if low-level methods required to meet	

current groundwater standards (SPLP for soil):	need to be met:
BN or BNA (8270D SIM)	NUDEP GWQS
VOC (8260C SIM or 8011)	NUDEP SRS

☐	SPLP (BN, BNA, Metals)	☐	NUDEP SPLP
☐	1,4 Dioxane	☐	Other (specify):

Check if applicable:

Project-Specific Reporting Limits	Cooler Temperature
High Contaminant Concentrations	4.0
All SDB Project (also check boxes above/right)	

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of \$5/sample will be assessed for storage should sample not be activated for any analysis.

Hampton-Clarke Report Of Analysis

Client: GFE LLC

HC Project #: 9010710

Project: 4125 Laconia Ave

Sample ID: MW1

Lab#: AD08516-001

Matrix: Aqueous

Collection Date: 1/6/2019

Receipt Date: 1/7/2019

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result		
1,1,1-Trichloroethane	1	ug/l	1.0	ND		
1,1-Dichloroethane	1	ug/l	1.0	ND		
1,1-Dichloroethene	1	ug/l	1.0	ND		
1,2,4-Trimethylbenzene	1	ug/l	1.0	ND		
1,2-Dichlorobenzene	1	ug/l	1.0	ND		
1,2-Dichloroethane	1	ug/l	0.50	ND		
1,3,5-Trimethylbenzene	1	ug/l	1.0	ND		
1,3-Dichlorobenzene	1	ug/l	1.0	ND		
1,4-Dichlorobenzene	1	ug/l	1.0	ND		
1,4-Dioxane	1	ug/l	50	ND		
2-Butanone	1	ug/l	1.0	6.4		
4-Isopropyltoluene	1	ug/l	1.0	ND		
Acetone	1	ug/l	5.0	370		
Benzene	1	ug/l	0.50	ND		
Carbon tetrachloride	1	ug/l	1.0	ND		
Chlorobenzene	1	ug/l	1.0	ND		
Chloroform	1	ug/l	1.0	ND		
cis-1,2-Dichloroethene	1	ug/l	1.0	2.4		
Ethylbenzene	1	ug/l	1.0	ND		
Isopropylbenzene	1	ug/l	1.0	ND		
m&p-Xylenes	1	ug/l	1.0	ND		
Methylene chloride	1	ug/l	1.0	3.7		
Methyl-t-butyl ether	1	ug/l	0.50	ND		
Naphthalene	1	ug/l	1.0	ND		
n-Butylbenzene	1	ug/l	1.0	ND		
n-Propylbenzene	1	ug/l	1.0	ND		
o-Xylene	1	ug/l	1.0	ND		
sec-Butylbenzene	1	ug/l	1.0	ND		
t-Butylbenzene	1	ug/l	1.0	ND		
Tetrachloroethene	1	ug/l	1.0	30		
Toluene	1	ug/l	1.0	ND		
trans-1,2-Dichloroethene	1	ug/l	1.0	ND		
Trichloroethene	1	ug/l	1.0	7.7		
Vinyl chloride	1	ug/l	1.0	ND		
Xylenes (Total)	1	ug/l	1.0	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	29.59	30	79	111	99	
Dibromofluoromethane	31.45	30	73	131	105	
Bromofluorobenzene	28.37	30	82	112	95	
1,2-Dichloroethane-d4	33.20	30	78	128	111	

Sample ID: MW2
 Lab#: AD08516-002
 Matrix: Aqueous

Collection Date: 1/6/2019
 Receipt Date: 1/7/2019

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result		
1,1,1-Trichloroethane	10	ug/l	10	ND		
1,1-Dichloroethane	10	ug/l	10	ND		
1,1-Dichloroethene	10	ug/l	10	ND		
1,2,4-Trimethylbenzene	10	ug/l	10	ND		
1,2-Dichlorobenzene	10	ug/l	10	ND		
1,2-Dichloroethane	10	ug/l	5.0	ND		
1,3,5-Trimethylbenzene	10	ug/l	10	ND		
1,3-Dichlorobenzene	10	ug/l	10	ND		
1,4-Dichlorobenzene	10	ug/l	10	ND		
1,4-Dioxane	10	ug/l	500	ND		
2-Butanone	10	ug/l	10	ND		
4-Isopropyltoluene	10	ug/l	10	ND		
Acetone	10	ug/l	50	ND		
Benzene	10	ug/l	5.0	ND		
Carbon tetrachloride	10	ug/l	10	ND		
Chlorobenzene	10	ug/l	10	ND		
Chloroform	10	ug/l	10	ND		
cis-1,2-Dichloroethene	10	ug/l	10	220		
Ethylbenzene	10	ug/l	10	ND		
Isopropylbenzene	10	ug/l	10	ND		
m&p-Xylenes	10	ug/l	10	ND		
Methylene chloride	10	ug/l	10	ND		
Methyl-t-butyl ether	10	ug/l	5.0	ND		
Naphthalene	10	ug/l	10	ND		
n-Butylbenzene	10	ug/l	10	ND		
n-Propylbenzene	10	ug/l	10	ND		
o-Xylene	10	ug/l	10	ND		
sec-Butylbenzene	10	ug/l	10	ND		
t-Butylbenzene	10	ug/l	10	ND		
Tetrachloroethene	10	ug/l	10	2400		
Toluene	10	ug/l	10	ND		
trans-1,2-Dichloroethene	10	ug/l	10	ND		
Trichloroethene	10	ug/l	10	450		
Vinyl chloride	10	ug/l	10	ND		
Xylenes (Total)	10	ug/l	10	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	29.90	30	79	111	100	
Dibromofluoromethane	30.45	30	73	131	102	
Bromofluorobenzene	29.61	30	82	112	99	
1,2-Dichloroethane-d4	30.31	30	78	128	101	

Sample ID: MW3
 Lab#: AD08516-003
 Matrix: Aqueous

Collection Date: 1/6/2019
 Receipt Date: 1/7/2019

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result		
1,1,1-Trichloroethane	10	ug/l	10	ND		
1,1-Dichloroethane	10	ug/l	10	ND		
1,1-Dichloroethene	10	ug/l	10	ND		
1,2,4-Trimethylbenzene	10	ug/l	10	ND		
1,2-Dichlorobenzene	10	ug/l	10	ND		
1,2-Dichloroethane	10	ug/l	5.0	ND		
1,3,5-Trimethylbenzene	10	ug/l	10	ND		
1,3-Dichlorobenzene	10	ug/l	10	ND		
1,4-Dichlorobenzene	10	ug/l	10	ND		
1,4-Dioxane	10	ug/l	500	ND		
2-Butanone	10	ug/l	10	ND		
4-Isopropyltoluene	10	ug/l	10	ND		
Acetone	10	ug/l	50	ND		
Benzene	10	ug/l	5.0	ND		
Carbon tetrachloride	10	ug/l	10	ND		
Chlorobenzene	10	ug/l	10	ND		
Chloroform	10	ug/l	10	ND		
cis-1,2-Dichloroethene	10	ug/l	10	19		
Ethylbenzene	10	ug/l	10	ND		
Isopropylbenzene	10	ug/l	10	ND		
m&p-Xylenes	10	ug/l	10	ND		
Methylene chloride	10	ug/l	10	ND		
Methyl-t-butyl ether	10	ug/l	5.0	ND		
Naphthalene	10	ug/l	10	ND		
n-Butylbenzene	10	ug/l	10	ND		
n-Propylbenzene	10	ug/l	10	ND		
o-Xylene	10	ug/l	10	ND		
sec-Butylbenzene	10	ug/l	10	ND		
t-Butylbenzene	10	ug/l	10	ND		
Tetrachloroethene	10	ug/l	10	1300		
Toluene	10	ug/l	10	ND		
trans-1,2-Dichloroethene	10	ug/l	10	ND		
Trichloroethene	10	ug/l	10	74		
Vinyl chloride	10	ug/l	10	ND		
Xylenes (Total)	10	ug/l	10	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	29.73	30	79	111	99	
Dibromofluoromethane	31.24	30	73	131	104	
Bromofluorobenzene	27.65	30	82	112	92	
1,2-Dichloroethane-d4	31.35	30	78	128	104	

Sample ID: MW4
 Lab#: AD08516-004
 Matrix: Aqueous

Collection Date: 1/6/2019
 Receipt Date: 1/7/2019

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result		
1,1,1-Trichloroethane	1	ug/l	1.0	ND		
1,1-Dichloroethane	1	ug/l	1.0	ND		
1,1-Dichloroethene	1	ug/l	1.0	ND		
1,2,4-Trimethylbenzene	1	ug/l	1.0	ND		
1,2-Dichlorobenzene	1	ug/l	1.0	ND		
1,2-Dichloroethane	1	ug/l	0.50	ND		
1,3,5-Trimethylbenzene	1	ug/l	1.0	ND		
1,3-Dichlorobenzene	1	ug/l	1.0	ND		
1,4-Dichlorobenzene	1	ug/l	1.0	ND		
1,4-Dioxane	1	ug/l	50	ND		
2-Butanone	1	ug/l	1.0	ND		
4-Isopropyltoluene	1	ug/l	1.0	ND		
Acetone	1	ug/l	5.0	ND		
Benzene	1	ug/l	0.50	ND		
Carbon tetrachloride	1	ug/l	1.0	ND		
Chlorobenzene	1	ug/l	1.0	ND		
Chloroform	1	ug/l	1.0	ND		
cis-1,2-Dichloroethene	1	ug/l	1.0	ND		
Ethylbenzene	1	ug/l	1.0	ND		
Isopropylbenzene	1	ug/l	1.0	ND		
m&p-Xylenes	1	ug/l	1.0	ND		
Methylene chloride	1	ug/l	1.0	ND		
Methyl-t-butyl ether	1	ug/l	0.50	ND		
Naphthalene	1	ug/l	1.0	ND		
n-Butylbenzene	1	ug/l	1.0	ND		
n-Propylbenzene	1	ug/l	1.0	ND		
o-Xylene	1	ug/l	1.0	ND		
sec-Butylbenzene	1	ug/l	1.0	ND		
t-Butylbenzene	1	ug/l	1.0	ND		
Tetrachloroethene	1	ug/l	1.0	ND		
Toluene	1	ug/l	1.0	ND		
trans-1,2-Dichloroethene	1	ug/l	1.0	ND		
Trichloroethene	1	ug/l	1.0	ND		
Vinyl chloride	1	ug/l	1.0	ND		
Xylenes (Total)	1	ug/l	1.0	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	29.67	30	79	111	99	
Dibromofluoromethane	30.52	30	73	131	102	
Bromofluorobenzene	27.06	30	82	112	90	
1,2-Dichloroethane-d4	31.50	30	78	128	105	

Hampton-Clarke, Inc. (WBE/DBE/SBE)
175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458

Service Center: 137-D Gather Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved



CHAIN OF CUSTODY RECORD

Hampton-Clarke
WBE/DBE/SBE
A Woman-Owned, Disadvantaged, Small Business Enterprise

Project # (Lab Use Only)

Page 1 of 1

3) Reporting Requirements (Please Circle)

Turnaround

Report Type

Electronic Data Deliv.

When Available:

Summary

NU Hazsite

1 Business Day (100%)*

Results + QC (Waste)

Excel Reg. NU / NY / PA

2 Business Days (75%)*

Reduced:

EnviroData

3 Business Days (50%)*

[] NU [] NY

EQUS:

4 Business Days (25%)*

[] PA [] Other

[] 4 File [] EZ

5 Business Days (25%)*

NU Full / NY ASP CalB

[] NYDEC

6 Business Days (25%)*

NY ASP CalA

[] Region 2 or 5

Other:

NY ASP CalA

Other: PT

* Expedited TAT Not Always Available. Please Check with Lab.

Customer Information

1a) Customer:

Address:

558 Nokomis Ave
Lr. Hawthorne NJ 07034

11) Email/Cell/Fax/Phone: frank@optonline.net

1c) Send Invoice to:

1d) Send Report to:

Project Information

2a) Project:

4125 Leopolia Ave
BRONX NY

2b) Project Mgr:

Frank

2c) Project Location (City/State):

2d) Quote/PO # (If Applicable):

FOR LAB USE ONLY

Batch #

Matrix Codes
S - Soil
A - Air
DW - Drinking Water
GW - Ground Water
WW - Waste Water
OT - Other (please specify under item 9, Comments)

Ad 08516

Lab Sample #

4) Customer Sample ID

5) Matrix

6) Sample Date

Time

Composite (C)

Grab (G)

Sample Type

7) Analysis (specify methods & parameter lists)

8) # of Bottles

9) Comments

None

MeOH

En Core

NaOH

HCl

H2SO4

HNO3

Other:

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10) Relinquished by:

Accepted By:

Date

Time

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):

BN or BNA (8270D SIM)

VOC (8260C SIM or 8011)

SPLP (BN, BNA, Metals)

1,4 Dioxane

Project-Specific Reporting Limits

High Contaminant Concentrations

NJ LSRP Project (also check boxes above/right)

Please note NUMBERED items. If not completed your analytical work may be delayed. A fee of \$5/sample will be assessed for storage should sample not be activated for any analysis.

Internal use: sampling plan (check box) HC [] or client [] FSP#

11) Sampler (print name):

Date:

1/6/19

13:00

Cooler Temperature

2.4

Additional Notes

FRANK GATTI

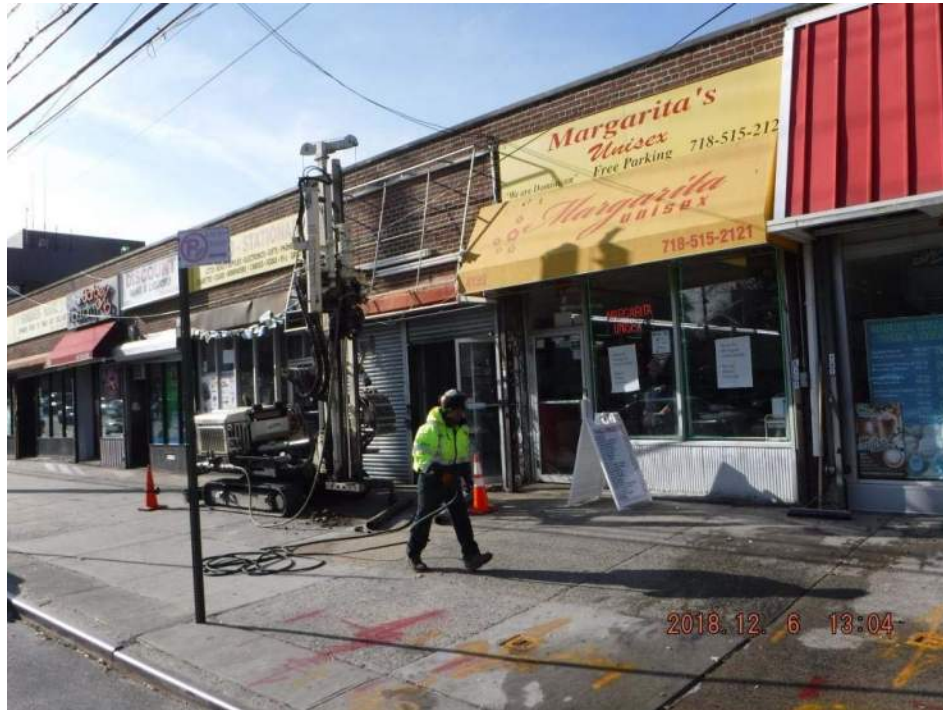
**APPENDIX D
SITE PHOTOGRAPHS**



Photograph 1: View of the Site building looking north-northwest from across the intersection of Laconia Avenue and East 230th Street. The former dry cleaner space is marked by the lack of overhead signage.



Photograph 2: Gasoline UST area at the south-adjacent police station looking south from the Site and across East 230th Street.



Photograph 3: Installation of MW3 looking southwest.



Photograph 4: East 230th Street sidewalk adjacent to the south end of the Site building looking east. Monitoring wells installed by others visible. Police station (not shown) is located to the right across East 230th Street.



Photograph 5: Rear of the Site building. Safety cones mark the location of Soil Boring B2, which was placed adjacent to a storm grate.



Photograph 6: General view of the grocery store basement looking south from the stairs.